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INSTALLATION RESTORATION PROGRAM (IRP)
STAGE 3

GROUNDWATER SAMPLING AND ANALYSIS PROGRAM
JANUARY THROUGH MARCH 1993
DATA SUMMARY

FINAL

FOR

McCLELLAN AFB/EM
McCLELLAN AFB, CALIFORNIA 95652-5990

June 1993

PREPARED BY:

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USAF CONTRACT NO. F33615-90-D-4013, DELIVERY ORDER NO. 0004
CONTRACTOR CONTRACT NO. 269-104, DELIVERY ORDER NO. 0004

United States Air Force
Air Force Center for Environmental Excellence
Environmental Services Office
Environmental Restoration Division (AFCEE/ESR)
Brooks AFB, Texas 78235-5000

93 8 1 01 4

93-13759



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This report has been prepared for McClellan Air Force Base to aid in the implementation of a final remedial action plan under the Air Force Installation Restoration Program (IRP). As this Data Summary relates to actual or possible releases of potentially hazardous substances, its release prior to an Air Force final decision on remedial action is in the public's interest. The limited objectives of this Data Summary, the ongoing nature of the IRP, and the evolving knowledge of site conditions and chemical effects on the environment and on human health all must be considered when evaluating this Data Summary, since subsequent facts may become known that may make this Data Summary premature or inaccurate. Acceptance of this Data Summary in performance of the contract under which it is prepared does not mean that the Air Force adopts the conclusions, recommendations, or other views expressed herein, which are those of the contractor only and do not necessarily reflect the official position of the Air Force.

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REPORT DOCUMENTATION PAGEForm Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Washington Headquarters Service, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE 93/06/09	3. REPORT TYPE AND DATES COVERED Final
4. TITLE AND SUBTITLE Remedial Investigation/Feasibility Study, Groundwater Sampling and Analysis Program, January through March 1993. Data Summary.			5. FUNDING NUMBERS
6. AUTHOR(S) Radian Corporation			
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Radian Corporation 10389 Old Placerville Road Sacramento, CA 95827			8. PERFORMING ORGANIZATION REPORT NUMBER
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) AFCEE/ESR Brooks AFB, TX 78235-5000			10. SPONSORING/MONITORING AGENCY REPORT NUMBER
11. SUPPLEMENTARY NOTES			
12a. DISTRIBUTION/AVAILABILITY STATEMENT Unclassified/Unlimited			12b. DISTRIBUTION CODE
13. ABSTRACT (Maximum 200 words) This Data Summary presents the results of groundwater sampling activities conducted on and in the vicinity of McClellan Air Force Base during the sampling period of January through March 1993. Concentrations of purgeable hydrocarbons and aromatic compounds detected in wells (42 monitoring wells, 6 extraction wells, 1 extraction well composite, and 1 background well) exceeded state and/or federal drinking water standards. Like the Fourth Quarter 1992, 25 monitoring wells exceeded the maximum concentration levels (MCLs) for one or more inorganic analytes in the First Quarter 1993, compared to 10 wells in the Third Quarter 1992. The reason for the increase is due to the change in sampling procedure (nonfiltering of inorganics). These wells are located in Sectors A, B, C, and D.			
14. SUBJECT TERMS			15. NUMBER OF PAGES 75
			16. PRICE CODE
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT Unlimited

PREFACE

Radian Corporation is the contractor for the Installation Restoration Program, Stage 3 Remedial Investigation/Feasibility Study at McClellan Air Force Base (AFB), California. This work was performed for the Air Force Center for Environmental Excellence, Environmental Services Office, Environmental Restoration Division (AFCEE/ESR) under Air Force Contract No. F33615-90-D-4013, Delivery Order 0004.

This Data Summary summarizes and presents the results of the Groundwater Sampling and Analysis Program for the period of January through March 1993. The data presented includes analytical results from monitoring and extraction well groundwater samples, and from groundwater-level data measured from on- and off-base wells.

Key Radian project personnel were:

Tom Cudzilo — Technical Director
Stephen Van De Wiel — Project Director
Liz Halverson — Technical Editor

Radian would like to acknowledge the cooperation of the McClellan AFB Office of Environmental Management Restoration. In particular, Radian acknowledges the assistance of Mr. Fran Slavich and Ms. Doris Varnadore.

The work presented herein was accomplished between 04 January 1993 and 31 March 1993. Mr. Patrick Haas, of AFCEE/ESR, was the Contracting Officer's Technical Project Manager.

Approved:

W E Corbett
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Project Manager

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1.0

INTRODUCTION

In support of ongoing Remedial Investigation/Feasibility Study (RI/FS) activities at McClellan Air Force Base (AFB), California, Radian Corporation (Radian) personnel measure water levels and collect and analyze groundwater samples from selected on- and off-base wells on a quarterly basis. This Data Summary provides, in tabular form, analytical results of data collected during the January through March 1993 (First Quarter) sampling effort. Data are provided in the following nine tables:

- Table 1 — Wells Sampled and Analyses Performed;
- Table 2 — Wells Scheduled and Analyses to be Performed;
- Table 3 — Quarterly Groundwater Level Data;
- Table 4 — Master Log of Wells Sampled;
- Table 5 — Wells Containing Analytes At Concentrations Equal to or Exceeding State and Federal Drinking Water Standards;
- Table 6 — Ambient Blanks with Associated Well Samples;
- Table 7 — Trip Blanks with Associated Well Samples;
- Table 8 — Summary of Quality Control Results for Blanks; and
- Table 9 — Summary of Qualified Data.

Six monitoring zones (A through F) are used to divide the groundwater regime, by depth and lithology, beneath McClellan AFB. McClellan AFB is also divided into six geographic sectors, designated A through F; these sectors encompass the entire base and adjacent off-base areas (Figure 1). Results are presented by zone and sector to support review and data use.

Groundwater levels were measured in 294 wells (including 247 monitoring wells, 39 piezometers, and 8 extraction wells) between 04 January and 06 January 1993. The location of all wells and piezometers are shown on Plate 1; results are provided in Table 2. Potentiometric-surface contours are shown on plates 2, 3, 4, and 5.

Radian personnel collected groundwater samples from a total of 92 locations between 08 January 1993 and 29 March 1993. The locations included 82 monitoring wells, 6 extraction wells, 1 composite sample of 6 Sector D extraction wells (EWs) (EW-73, EW-83, EW-84, EW-85, EW-86, and EW-87) collected from the Sector D pipeline, and 3 background wells.

Groundwater samples were analyzed by Radian Analytical Services (Austin, Texas) using United States Environmental Protection Agency (U.S. EPA) Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW846, Third Edition (U.S. EPA, 1986). Selected samples were analyzed for the following analytes:

- Halogenated Volatile Organic Compounds (HVOCs) using Method 8010;
- Aromatic VOCs using Method 8020; and
- Metals using Methods 6010, 7060, 7421, 7470, and 7740.

A total of 92 locations (82 monitoring wells, 6 extraction wells, 1 extraction well composite, and 3 background wells), were sampled for Method 8010 analyses during First Quarter 1993 (1Q93). Method 8020 analyses were performed on samples collected from 67 locations (including 57 monitoring wells, 6 extraction wells, 1 extraction well composite, and 3 background wells). Analysis by methods 6010, 7060, 7421, 7470, and 7740 was performed on unfiltered (i.e., they were filtered prior to 4Q92) samples collected from 43 wells. The analytical results of all these analyses are summarized in Table 1 and estimated trichloroethene concentration isopleths are shown on Plates 2, 3, 4, and 5 (background wells are excluded from plates).

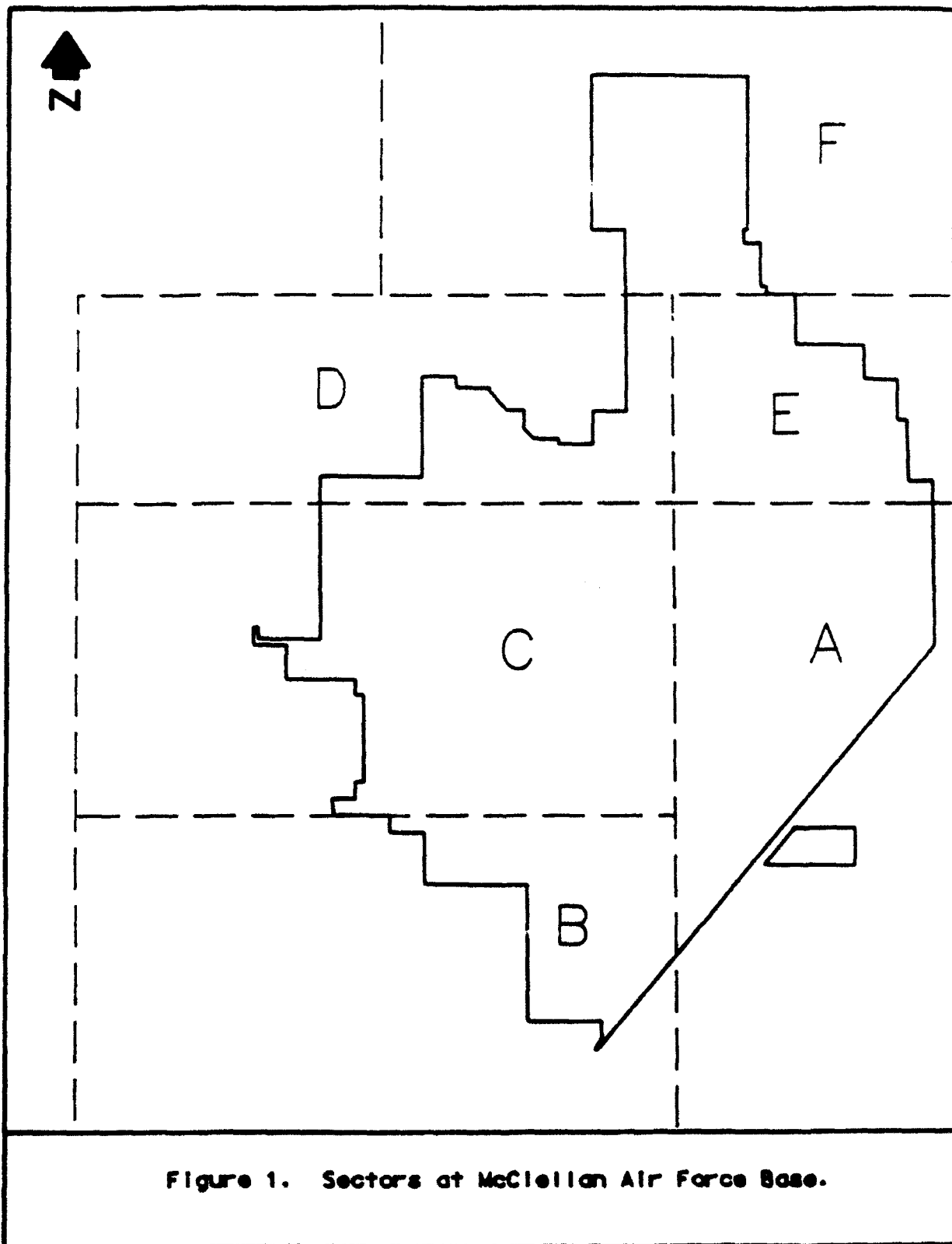
Table 4 presents the Above Action Level List for samples in which one or more contaminants exceeded either the Federal or California Maximum Contaminant Levels (MCL's) or California Action Levels for drinking water. Samples from 6 extraction wells, 1 extraction well composite, 42 monitoring wells, and 1 background well exceeded standards for either organic or inorganic analytes. Twenty-five of the wells exceeded MCL's for one or more inorganic analytes compared to 10 in 3Q92 and 16 in 4Q92. The increase in the number of well samples exceeding MCLs for inorganic analytes can be attributed to a change in sampling procedure; samples for inorganic analysis are no longer filtered in the field. In

the Fourth Quarter 1992, a total of 6 extraction wells, 1 extraction well composite, and 36 monitoring wells were above action levels for organic or inorganic analytes.

The Quality Control (QC) data presented in this report have been evaluated according to the quality assurance objectives specified in the Final McClellan AFB Quality Assurance Program Plan (QAPP), August 1992 revision. These represent accuracy and precision performance objectives for each analytical method. The results of the QC sample analyses are summarized below, as well as in Tables 5, 6, 7, and 8.

- All surrogate recoveries (except one Method 8020 confirmation analysis) were within recovery objectives. The trifluorotoluene surrogate spike recovery for EW-233 confirmation analysis was above acceptance limits. The associated sample result for toluene was flagged with a "G" by the laboratory, indicating that an interference was present. In addition, the toluene result was flagged with an @, indicating that the reported value is an estimated result because it is less than five times the reporting limit.
- Method 7740 selenium QC sample results indicated that a systematic matrix interference was present. All Method 7740 selenium results are qualified as biased low due to the potential for artificially low results to be reported.

The completeness objective for all the measurement parameters is 95 percent. Although several individual sample results required qualification, the remaining body of unqualified analytical data met the objectives. From a total of 4,859 possible individual analyte measurements, 65 were qualified. Therefore, greater than 98% of the data produced from the 1Q93 sampling event are valid, and the completeness objective has been met.



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TABLE 1 WELLS SAMPLED AND ANALYSES PERFORMED.
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM,
JANUARY THROUGH MARCH 1993, MCCLELLAN AIR FORCE BASE

Well (a) Number	Date Sampled	Method 8010	Method 8020	Methods
				6010,7060,7421 7470,7740
EC-1	08-Jan-93	X	X	X
EW-137	11-Jan-93	X	X	X
EW-140	14-Jan-93	X	X	X
EW-141	11-Jan-93	X	X	X
EW-144	14-Jan-93	X	X	X
EW-233	08-Jan-93	X	X	X
EW-234	08-Jan-93	X	X	X
MW-7	26-Jan-93	X	X	
MW-14	26-Jan-93	X	X	X
MW-15	13-Jan-93	X	X	X
MW-19D	27-Jan-93	X	X	X
MW-23D	07-Jan-93	X		
MW-26D	08-Jan-93	X	X	X
MW-27D	08-Jan-93	X		X
MW-41S	07-Jan-93	X	X	
MW-55	12-Jan-93	X		X
MW-57	27-Jan-93	X	X	X
MW-58	22-Jan-93	X	X	X
MW-61	26-Jan-93	X	X	X
MW-63	28-Jan-93	X		
MW-64	12-Jan-93	X	X	
MW-66	18-Jan-93	X		
MW-69	15-Jan-93	X		
MW-71	21-Jan-93	X		
MW-74	28-Jan-93	X	X	X
MW-75	29-Jan-93			X
MW-76	29-Jan-93	X	X	X
MW-88	25-Jan-93	X	X	X
MW-92	14-Jan-93	X	X	X
MW-101	18-Jan-93	X	X	X
MW-132	27-Jan-93	X	X	
MW-148	12-Jan-93	X	X	
MW-150	08-Jan-93	X	X	X
MW-152	08-Jan-93	X		
MW-153	08-Jan-93	X	X	X
MW-154	14-Jan-93	X		
MW-155	12-Jan-93	X	X	
MW-156	27-Jan-93	X		X
MW-157	14-Jan-93	X	X	X
MW-158	14-Jan-93	X	X	X
MW-159	14-Jan-93	X	X	
MW-163	27-Jan-93	X		X
MW-176	11-Jan-93	X		
MW-181	28-Jan-93	X	X	X
MW-183	26-Jan-93	X	X	X

TABLE 1 (Continued)

Well (a) Number	Date Sampled	Method 8010	Method 8020	Methods
				6010,7060,7421 7470,7740
MW-200	15-Jan-93	X	X	X
MW-204	21-Jan-93	X		
MW-206	21-Jan-93	X		
MW-217	15-Jan-93	X	X	
MW-218	15-Jan-93	X		X
MW-218	18-Jan-93		X	
MW-219	15-Jan-93	X	X	X
MW-236	15-Jan-93	X	X	X
MW-1000	14-Jan-93	X	X	X
MW-1010	19-Jan-93			X
MW-1019	18-Jan-93	X		
MW-1020	08-Jan-93	X	X	X
MW-1021	21-Jan-93	X	X	X
MW-1022	21-Jan-93	X	X	
MW-1024	18-Jan-93	X	X	
MW-1025	13-Jan-93	X		
MW-1026	21-Jan-93	X	X	X
MW-1027	21-Jan-93	X	X	X
MW-1028	21-Jan-93	X	X	X
MW-1037	20-Jan-93	X	X	X
MW-1038	20-Jan-93	X		
MW-1039	20-Jan-93	X		
MW-1041	11-Jan-93	X	X	
MW-1042	11-Jan-93	X	X	X
MW-1043	11-Jan-93	X	X	
MW-1044	26-Jan-93	X		X
MW-1045	11-Jan-93	X	X	
MW-1046	11-Jan-93	X	X	
MW-1047	11-Jan-93	X		
MW-1049	22-Jan-93	X	X	X
MW-1050	22-Jan-93	X	X	
MW-1051	22-Jan-93	X		
MW-1052	22-Jan-93	X		
MW-1053	25-Jan-93	X		
MW-1058	25-Jan-93	X		
MW-1059	25-Jan-93	X		
MW-1060	25-Jan-93	X		
MW-1063	26-Jan-93	X	X	
MW-1064	20-Jan-93	X	X	X
MW-1065	20-Jan-93	X	X	X
MW-1066	20-Jan-93	X	X	
MW-1067	20-Jan-93	X	X	
MW-1068	20-Jan-93	X	X	
MW-1069	22-Jan-93	X		
OW-654	29-Jan-93	X	X	X
OW-994	29-Jan-93	X	X	X
OW-998	29-Jan-93	X	X	X

TABLE 1 (Continued)

=====

(a) - The letters 'S' and 'D' associated with the monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.

EC = Extraction Well Composite

EC-1 is a composite of EW-73, EW-83, EW-84, EW-85, EW-86, and EW-87.

EW = Extraction Well

MW = Monitoring Well

OW = Observation Well

TABLE 2.

WELLS SCHEDULED AND ANALYSES TO BE PERFORMED,
GROUND WATER SAMPLING AND ANALYSES PROGRAM,
JANUARY THROUGH MARCH 1993, McCLELLAN AIR FORCE BASE

		4Q92			1Q93			2Q93		
		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
WELL #		Method 8010	Method 8020	Method 7421,7470 7740	Method 8010	Method 8020	Method 7421,7470 7740	Method 8010	Method 8020	Method 7421,7470 7740
EC 1		X	X	X	X	X	X	X	X	X
EW 137		X	X	X	X	X	X	X	X	X
EW 140		X	X	X	X	X	X	X	X	X
EW 141		X	X	X	X	X	X	X	X	X
EW 144		X	X	X	X	X	X	X	X	X
EW 233		X	X	X	X	X	X	X	X	X
EW 234		X	X	X	X	X	X	X	X	X
MW 7		X	X		X	X		X	X	X
MW 10								X	X	X
MW 11										
MW 12		X	X	X						
MW 14					X	X	X	X	X	X
MW 15					X	X	X			
MW 19d					X	X	X			
MW 20d								X	X	X
MW 21d		X	X					X		X
MW 22d										
MW 23d		X			X					
MW 24d										
MW 25d										
MW 26d					X	X	X			
MW 27d					X		X			
MW 28d								X	X	X
MW 29d										
MW 33s										
MW 41s		X	X	X	X	X		X		X
MW 44s										
MW 51								X	X	X
MW 52										
MW 53								X	X	X
MW 54								X	X	X
MW 55					X	X		DISCONTINUE SAMPLING		
MW 57					X	X	X	DISCONTINUE SAMPLING		
MW 58					X	X	X			
MW 59										
MW 60								X	X	X
MW 61					X	X	X	DISCONTINUE SAMPLING		
MW 62										
MW 63		X			X					
MW 64		X	X	X	X	X				
MW 65										
MW 66		X			X					
MW 68								X	X	X

(Continued)

TABLE 2.

WELLS SCHEDULED AND ANALYSES TO BE PERFORMED,
GROUND WATER SAMPLING AND ANALYSES PROGRAM,
JANUARY THROUGH MARCH 1993, McCLELLAN AIR FORCE BASE

WELL #	4Q92			1Q93			2Q93		
			Methods 6010,7060			Methods 6010,7060			Methods 6010,7060
	Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740
MW 69				X			DISCONTINUE SAMPLING		
MW 71				X			DISCONTINUE SAMPLING		
MW 72									
MW 74				X	X	X			
MW 75						X	DISCONTINUE SAMPLING		
MW 76				X	X	X			
MW 88				X	X	X			
MW 89							X	X	X
MW 90							X	X	X
MW 91									
MW 92				X	X	X	X	X	X
MW 101	X	X		X	X	X			
MW 102			X				X	X	X
MW 103									
MW 104	X	X	X						
MW 105	X	X	X						
MW 107							X	X	X
MW 109	X								
MW 110									
MW 111							X		X
MW 112									
MW 115									
MW 117							X	X	X
MW 118									
MW 119									
MW 122				DISCONTINUE SAMPLING					
MW 128	X	X	X						
MW 129	X	X	X						
MW 130	X	X	X						
MW 131	X	X	X						
MW 132	X	X	X	X	X				
MW 134									
MW 135	X						X	X	X
MW 139	X	X	X						
MW 143									
MW 145							X	X	X
MW 146									
MW 147									
MW 148	X	X	X	X	X				
MW 149	X	X					X	X	X
MW 150	X	X		X	X	X	X		
MW 151	X						X		X
MW 152	X			X			X		

(Continued)

TABLE 2.

WELLS SCHEDULED AND ANALYSES TO BE PERFORMED,
GROUND WATER SAMPLING AND ANALYSES PROGRAM,
JANUARY THROUGH MARCH 1993, McCLELLAN AIR FORCE BASE

		4Q92			1Q93			2Q93		
		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
WELL #		Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740
MW 153		X	X	X	X	X	X	X		
MW 154		X			X					
MW 155		X	X		X	X		X	X	X
MW 156		X		X	X		X	X		
MW 157		X	X	X	X	X	X			
MW 158		X	X	X	X	X	X			
MW 159		X	X		X	X				
MW 160		X	X	X						
MW 161										
MW 162										
MW 163					X		X			
MW 164								X	X	X
MW 165										
MW 166										X
MW 167								X	X	X
MW 169		X	X					X		
MW 170								X	X	X
MW 171		X		X						
MW 172										
MW 173										
MW 174								X	X	X
MW 175		X						X	X	X
MW 176		X			X			X	X	
MW 177		X	X							
MW 178								X	X	X
MW 179								X	X	X
MW 180										
MW 181					X	X	X			
MW 182									X	X
MW 183					X	X	X			
MW 184										
MW 185								X	X	
MW 186										
MW 187								X		X
MW 188										
MW 189								X	X	X
MW 190										
MW 191								X	X	
MW 192								X	X	X
MW 193								X	X	X
MW 194								X	X	
MW 195								X	X	X
MW 196										

(Continued)

TABLE 2.

WELLS SCHEDULED AND ANALYSES TO BE PERFORMED,
GROUND WATER SAMPLING AND ANALYSES PROGRAM,
JANUARY THROUGH MARCH 1993, McCLELLAN AIR FORCE BASE

		4Q92			1Q93			2Q93		
		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
WELL #		Method 8010	Method 8020	Method 7421,7470 7740	Method 8010	Method 8020	Method 7421,7470 7740	Method 8010	Method 8020	Method 7421,7470 7740
MW 197		X	X	X				X	X	
MW 198								X	X	X
MW 199		X	X	X				X	X	X
MW 200		X	X	X	X	X	X	X		X
MW 201								X	X	X
MW 202										
MW 203										
MW 204					X					
MW 205										
MW 206					X					
MW 207										
MW 208										
MW 209										
MW 210								X	X	X
MW 211								X	X	X
MW 212								X	X	X
MW 213										
MW 214		X						X	X	X
MW 215		X								
MW 216		X							X	X
MW 217		X	X	X	X	X		X	X	X
MW 218		X			X	X	X	X	X	
MW 219		X	X		X	X	X			
MW 220										
MW 221								X	X	X
MW 222								X	X	X
MW 223										
MW 224								X	X	X
MW 225										
MW 226								X		
MW 227										
MW 228								X	X	X
MW 229								X	X	X
MW 230								X	X	X
MW 235								X	X	X
MW 236		X	X	X	X	X	X			
MW 999								X	X	X
MW 1000					X	X	X			
MW 1001		X	X					X		X
MW 1002		X						X	X	X
MW 1004		X	X	X				X	X	
MW 1005		X	X	X				X	X	X
MW 1009										

(Continued)

TABLE 2.

WELLS SCHEDULED AND ANALYSES TO BE PERFORMED,
GROUND WATER SAMPLING AND ANALYSES PROGRAM,
JANUARY THROUGH MARCH 1993, McCLELLAN AIR FORCE BASE

		4Q92			1Q93			2Q93		
		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
WELL #		Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740
MW 1010							X			
MW 1011								X		X
MW 1012										
MW 1014										
MW 1015		X	X	X						
MW 1016		X	X	X				X		X
MW 1018								X		
MW 1019		X		X	X			X		X
MW 1020					X	X	X			
MW 1021		X	X	X	X	X	X	X	X	
MW 1022		X			X	X				X
MW 1023		X	X							
MW 1024					X	X				
MW 1025		X			X					
MW 1026					X	X	X			X
MW 1027					X	X	X	DISCONTINUE SAMPLING		
MW 1028					X	X	X			
MW 1029										
MW 1031										
MW 1032										
MW 1035										X
MW 1036										
MW 1037					X	X	X			
MW 1038					X			DISCONTINUE SAMPLING		
MW 1039					X			DISCONTINUE SAMPLING		
MW 1041					X	X				
MW 1042					X	X	X			
MW 1043					X	X				X
MW 1044		X	X	X	X		X	X		
MW 1045		X			X	X				
MW 1046		X			X	X				
MW 1047		X			X					
MW 1048					DISCONTINUE SAMPLING					
MW 1049		X	X	X	X	X	X	X	X	
MW 1050		X			X	X				
MW 1051		X			X			X	X	X
MW 1052		X			X					
MW 1053		X			X			X		
MW 1054		X	X					X		
MW 1055		X								
MW 1056		X								
MW 1057		X						X	X	X
MW 1058		X			X			X	X	

(Continued)

TABLE 2.

WELLS SCHEDULED AND ANALYSES TO BE PERFORMED,
GROUND WATER SAMPLING AND ANALYSES PROGRAM,
JANUARY THROUGH MARCH 1993, McCLELLAN AIR FORCE BASE

		4Q92			1Q93			2Q93		
		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
WELL #		Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740
MW 1059		X			X					
MW 1060		X			X			X	X	X
MW 1061								X	X	X
MW 1062		X								
MW 1063		X			X	X				
MW 1064					X	X	X			
MW 1065					X	X	X			
MW 1066					X	X				
MW 1067		X		X	X	X		X	X	
MW 1068		X			X	X				
MW 1069					X			X		

WELL IDENTIFICATION:

EW = Extraction Well

MW = Monitoring Well

TABLE 3 QUARTERLY GROUNDWATER-LEVEL DATA,
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM,
JANUARY THROUGH MARCH 1993, McCLELLAN AIR FORCE BASE

<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	1Q93	4Q92

<u>A Zone Monitoring Wells:</u>			
MW-5	B	- 50.17	- 51.14
MW-7	B	- 44.74	- 46.26
MW-10	D	- 38.59	- 38.55
MW-11	D	- 37.78	- 38.22
MW-12	D	- 38.06	- 38.24
MW-14	D	- 38.41	- 38.88
MW-15	D	- 38.20	- 38.51
MW-210	C	- 37.47	- 38.02
MW-250	B	- 40.03	- 41.54
MW-280	A	- 34.22	- 36.25
MW-33S	C	- 38.04	- 38.84
MW-36S	C	d	d
MW-41S	B	- 43.27	- 44.08
MW-44S	C	- 36.73	- 37.00
MW-60	C	- 37.57	- 37.57
MW-61	C	- 39.61	- 40.17
MW-62	C	- 36.37	d(e)
MW-65	B	- 42.89	- 43.91
MW-68	A	- 41.50	d(e)
MW-72	D	- 38.62	- 38.72
MW-75	C	- 38.13	- 38.82
MW-88	D	- 36.97	- 37.45
MW-89	D	- 37.86	- 38.41
MW-90	D	- 37.67	- 38.39
MW-91	D	- 37.37	- 37.98
MW-92	D	- 37.12	- 37.78
MW-101	E	- 32.04	- 38.02
MW-102	F	- 30.30	- 34.37
MW-106	D	d	d
MW-107	C	- 36.09	d(e)
MW-110	C	- 37.06	- 36.68
MW-111	C	- 37.35	- 37.78
MW-114	C	d	d
MW-115	C	- 39.35	- 39.92
MW-116	C	d	d
MW-117	C	b	- 41.79
MW-120	C	c	c
MW-123	C	- 42.22	- 46.66(e)
MW-128	C	- 38.15	- 39.26
MW-129	C	- 38.48	- 39.67
MW-131	C	- 39.18	- 40.49
MW-135	C	- 41.81	d(e)

(Continued)

TABLE 3 (Continued)

Groundwater-Level Elevation (feet mean sea level)			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	1Q93	4Q92
A Zone Monitoring Wells:			
MW-139	C	- 40.13	- 41.78
MW-145	B	- 44.12	- 46.19
MW-150	B	- 46.21	- 46.90
MW-153	B	- 44.15	- 44.62
MW-155	B	- 44.86	- 46.32
MW-157	B	- 43.55	- 44.05
MW-158	B	- 43.64	- 44.12
MW-159	B	- 43.01	- 42.82
MW-160	A	- 35.12	- 36.15
MW-164	B	- 42.36	- 43.76
MW-169	A	- 31.97	- 37.71
MW-172	A	- 33.50	d(e)
MW-175	B	- 41.10	d(e)
MW-178	A	- 30.86	- 39.05
MW-182	C	- 40.34	b
MW-185	E	- 33.17	- 36.46
MW-186	A	- 38.03	- 40.85
MW-188	C	- 36.57	- 36.70
MW-191	B	- 42.62	- 44.13
MW-194	E	- 33.71	- 37.96
MW-197	A	- 36.30	- 38.17
MW-200	B	- 44.21	- 45.23
MW-202	A	- 33.53	- 35.09
MW-203	A	- 36.35	- 39.10
MW-206	C	- 38.17	- 39.00
MW-209	A	- 36.30	- 38.77
MW-210	A	- 30.84	- 37.39
MW-212	A	- 31.64	- 45.22(e)
MW-214	C	- 41.05	- 42.74
MW-217	B	- 45.46	- 46.22
MW-222	A	- 34.71	- 36.93
MW-224	A	- 33.02	- 40.33
MW-226	A	- 32.21	- 38.68
MW-228	A	- 32.34	- 41.21
MW-235	B	- 43.23	- 43.96
MW-236	B	- 43.50	- 44.21
MW-1002	Q	- 36.75	- 37.68
MW-1004	D	- 36.23	- 37.49
MW-1005	D	- 36.05	- 37.62
MW-1009	D	- 35.25	d(e)
MW-1011	B	d	d
MW-1012	F	- 24.32	- 25.75
MW-1013	B	d	d
MW-1014	A	- 40.29	d

(Continued)

TABLE 3 (Continued)

		<u>Groundwater-Level Elevation (feet mean sea level)</u>	
Well		Current Measurement	Previous Measurement
Number(a)	Sector	1093	4092
<u>A Zone Monitoring Wells:</u>			
MW-1015	B	- 46.04	- 74.22(e)
MW-1016	B	- 44.26	- 47.46
MW-1017	C	b	d
MW-1018	C	- 37.15	- 37.23
MW-1019	D	- 38.85	- 39.84
MW-1020	B	- 45.21	- 47.33
MW-1021	B	- 46.87	d(e)
MW-1023	B	- 46.40	- 47.90
MW-1024	B	- 46.83	- 48.35
MW-1026	D	- 35.08	- 35.78
MW-1029	C	- 36.38	- 36.53
MW-1033	C	d	d
MW-1036	C	- 35.56	- 35.67
MW-1037	A	- 31.53	d(e)
MW-1041	D	47.31	- 37.49
MW-1044	B	- 46.29	d(e)
MW-1049	B	- 46.44	- 49.05
MW-1053	B	- 46.88	- 49.75
MW-1054	B	- 46.49	- 48.30
MW-1058	A	- 31.37	d(e)
MW-1061	A	- 36.88	d(e)
MW-1064	D	- 35.77	- 37.73
MW-1067	A	- 31.95	- 36.90
MW-1069	B	- 46.44	- 48.41
PZ-1	B	- 44.86	- 46.25
PZ-3	C	- 38.89	- 40.21
PZ-5	C	- 40.76	- 42.43
PZ-8	C	- 38.61	- 39.35
PZ-11	C	- 40.18	- 41.66
PZ-14	C	- 39.78	- 41.19
PZ-15	C	- 38.87	- 40.06
PZ-18	C	- 41.08	- 40.98
PZ-24	C	- 38.73	- 39.72
PZ-25	C	- 38.60	- 39.88
PZ-30	C	- 40.00	- 41.78
PZ-1000	B	- 46.50	- 49.07
<u>AB Zone Monitoring Wells:</u>			
MW-160	F	- 32.00	- 35.38
MW-170	F	- 33.32	- 36.41
MW-126	C	- 41.77	- 45.07
MW-1010	D	- 35.69	- 37.96
MW-1042	D	- 36.01	- 37.79

(Continued)

TABLE 3 (Continued)

Groundwater-Level Elevation (feet mean sea level)			
Well Number(a)	Sector	Current Measurement 1093	Previous Measurement 4092
IAB Zone Monitoring Wells:			
MW-38D	D	- 38.14	- 38.54
MW-52	D	- 37.16	- 38.14
MW-53	D	- 38.71	- 38.96
MW-54	D	- 38.07	- 39.46
MW-55	D	- 38.95	- 39.14
MW-57	D	- 38.23	- 38.66
MW-70	D	- 37.63	- 38.38
MW-74	D	- 37.57	- 38.25
MW-76	D	- 37.20	- 38.19
MW-108	C	- 36.41	- 38.04
MW-113	C	- 37.91	- 38.36
MW-121	C	b	- 44.09
MW-124	C	- 42.09	- 45.48
MW-1000	B	- 45.28	- 47.51
MW-1003	D	- 36.24	- 37.50
MW-1034	C	- 40.41	- 40.82
OAB Zone Monitoring Wells:			
PZ-19	C	- 41.12	- 42.25
B Zone Monitoring Wells:			
MW-180	D	- 34.36	- 36.57
MW-190	D	- 36.73	- 37.72
MW-200	C	- 37.49	- 38.96
MW-220	C	- 38.60	- 41.75
MW-230	B	- 48.45	- 51.83
MW-240	B	- 43.81	- 48.08
MW-260	A	- 38.57	- 44.08
MW-270	A	- 35.28	- 38.96
MW-290	E	- 33.11	- 37.07
MW-51	D	- 37.26	- 38.37
MW-58	D	- 36.80	- 38.08
MW-59	D	- 37.02	- 37.90
MW-63	B	- 46.11	- 49.06
MW-64	B	- 47.70	- 51.58
MW-66	B	- 50.88	- 54.33
MW-71	A	- 34.23	- 44.22
MW-103	F	- 31.30	- 39.49
MW-104	D	- 35.96	- 37.61
MW-105	D	- 35.55	- 37.90
MW-109	C	- 36.60	- 38.27
MW-112	C	- 37.66	- 38.30
MW-118	C	- 42.52	- 45.70

(Continued)

TABLE 3 (Continued)

<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	1Q93	4Q92
<u>B Zone Monitoring Wells:</u>			
MW-130	C	- 39.91	- 37.60(e)
MW-134	C	- 41.35	- 43.91
MW-142	C	- 40.39	- 42.76
MW-143	C	- 39.09	- 40.89
MW-146	B	- 44.23	- 46.79
MW-151	B	- 47.03	- 50.09
MW-156	B	- 46.11	- 49.15
MW-165	B	- 42.55	- 45.20
MW-170	A	- 37.88	- 38.19
MW-173	A	- 34.28	- 38.15
MW-176	B	- 41.35	- 46.07
MW-179	A	- 32.56	- 37.09
MW-183	C	- 40.66	b
MW-189	C	- 36.68	- 37.70
MW-192	B	- 43.13	- 47.44
MW-195	E	- 32.93	- 38.98
MW-198	A	- 37.95	- 70.81(e)
MW-201	B	- 46.21	- 50.01
MW-204	A	- 37.43	- 42.52
MW-207	C	- 39.05	- 40.76
MW-211	A	- 31.96	- 43.01
MW-213	A	- 31.68	- 42.78
MW-215	C	- 40.95	- 43.98
MW-218	B	- 47.30	- 50.52
MW-220	B	- 41.05	- 50.73(e)
MW-223	A	- 35.13	- 38.80
MW-225	A	- 33.48	- 64.04(e)
MW-227	A	- 32.14	- 38.80
MW-229	A	- 33.53	- 43.66(e)
MW-1001	D	- 35.74	- 37.68
MW-1022	B	- 50.89	- 81.20(e)
MW-1025	B	- 46.95	- 49.73
MW-1027	D	- 35.47	- 36.81
MW-1028	D	- 34.95	- 37.11
MW-1030	C	- 36.61	- 37.18
MW-1031	C	- 36.66	- 37.54
MW-1032	C	- 37.56	- 37.88
MW-1035	C	- 40.53	- 41.27
MW-1038	A	- 38.06	- 71.39(e)
MW-1043	D	- 35.89	- 37.91
MW-1045	B	- 47.40	- 77.69(e)
MW-1050	B	- 46.52	- 49.44
MW-1055	B	- 46.80	- 49.60
MW-1059	A	- 34.00	- 65.95(e)

(Continued)

TABLE 3 (Continued)

=====			
<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	1Q93	4Q92

<u>B Zone Monitoring Wells:</u>			
MW-1062	A	- 37.82	- 70.92(e)
MW-1065	A	- 31.92	- 37.10
MW-1066	A	- 31.90	- 64.05(e)
MW-1068	A	- 31.93	- 63.97(e)
PZ-2	B	- 46.07	- 49.08
PZ-4	C	- 39.26	- 41.80
PZ-6	C	- 40.81	- 43.40
PZ-12	C	- 40.61	- 43.00
PZ-16	C	- 39.62	- 41.65
PZ-20	C	- 40.60	- 50.47
PZ-22	C	- 38.98	- 41.08
PZ-26	C	- 39.00	- 41.73
PZ-28	C	- 38.91	- 40.74
PZ-31	C	- 40.42	- 43.44
PZ-37	A	- 33.35	- 63.81(e)
PZ-38	A	- 37.28	- 41.76
PZ-1001	B	- 46.58	- 49.51
 <u>QBC Zone Monitoring Wells:</u>			
PZ-21	C	- 41.47	- 45.78
PZ-32	C	- 40.41	- 43.70
 <u>C Zone Monitoring Wells:</u>			
MW-119	C	- 41.78	- 46.10
MW-122	C	- 41.65	- 46.07
MW-125	C	- 40.50	- 40.35
MW-127	C	- 41.54	- 45.97
MW-132	B	- 47.25	- 51.11
MW-133	C	- 41.40	- 45.07
MW-136	C	- 39.88	- 43.03
MW-138	C	- 39.36	- 42.85
MW-147	B	- 44.21	- 47.60
MW-152	B	- 48.64	- 52.73
MW-154	B	- 47.10	- 51.48
MW-161	A	- 36.05	- 42.17
MW-166	B	- 42.02	- 45.78
MW-171	A	- 32.17	- 38.96
MW-174	A	- 34.41	- 39.14
MW-177	B	- 41.23	- 46.22
MW-180	A	- 33.11	- 44.73
MW-181	C	- 40.18	- 43.87
MW-184	C	- 40.35	b
MW-187	A	- 39.10	- 44.81
MW-190	C	- 36.76	- 40.15

(Continued)

TABLE 3 (Continued)

Groundwater-Level Elevation (feet mean sea level)			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	1Q93	4Q92

<u>C Zone Monitoring Wells:</u>			
MW-193	B	- 42.23	- 47.61
MW-196	E	- 32.83	- 39.58
MW-199	A	- 37.99	- 71.08(e)
MW-205	A	- 37.56	- 43.76
MW-208	C	- 39.29	- 42.21
MW-216	C	- 40.67	- 44.54
MW-219	B	- 48.93	- 52.57
MW-221	B	- 41.57	- 51.61(e)
MW-1039	A	- 38.07	- 44.67
MW-1040	F	- 30.74	- 40.79
MW-1046	B	- 48.62	- 80.02(e)
MW-1051	B	- 46.71	- 50.15
MW-1056	B	- 47.84	- 51.68
MW-1060	A	- 34.22	- 67.21(e)
MW-1063	A	- 37.97	- 71.25(e)
PZ-7	C	- 40.49	- 44.16
PZ-9	C	- 38.96	- 42.21
PZ-10	C	- 39.55	- 42.92
PZ-13	C	- 40.30	- 43.77
PZ-17	C	- 39.48	- 42.67
PZ-23	C	- 39.00	- 42.46
PZ-27	C	- 39.49	- 42.72
PZ-29	C	- 38.71	- 41.68
PZ-33	C	- 40.13	- 43.81
PZ-34	C	- 40.08	- 43.85
<u>ICD Zone Monitoring Wells:</u>			
MW-148	B	- 41.97	- 47.42
<u>OCD Zone Monitoring Wells:</u>			
PZ-35	C	- 39.22	- 44.30
<u>D Zone Monitoring Wells:</u>			
MW-149	B	- 40.83	- 46.80(e)
MW-162	C	- 38.12	- 44.46
MW-163	C	- 38.36	- 44.75
MW-167	B	- 39.43	- 45.71
MW-1047	B	- 41.29	- 74.62(e)
MW-1048	B	- 41.22	- 47.52
MW-1052	B	- 40.86	- 47.24
MW-1057	B	- 43.03	- 47.38
PZ-36	C	- 38.37	- 44.74
<u>E Zone Monitoring Wells:</u>			

(Continued)

TABLE 3 (Continued)

<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	1Q93	4Q92

<u>E Zone Monitoring Wells:</u>			
MW-230	C	- 38.34	- 44.81
MW-231	B	- 47.42	- 45.53
MW-232	B	- 39.36	- 45.46
 <u>Extraction Wells</u>			
EW-73	D	- 44.26	- 60.09
EW-83	D	- 41.16	- 41.74
EW-84	D	- 29.94	- 38.52
EW-85	D	- 42.50	- 42.72
EW-86	D	- 40.35	- 38.90
EW-87	D	- 40.88	- 41.26
EW-233	B	- 44.87	- 50.78
EW-234	B	- 43.85	- 49.70

WELL IDENTIFICATION:

EW = Extraction Well
 MW = Monitoring Well
 PZ = Piezometer

ZONE IDENTIFICATION:

A = Screened in the A zone (-16.72 to -93.46 ft msl).
 AB = Screened in both the A and B zones (-47.89 to -126.0 ft msl).
 IAB = Screened in an intermediate zone between the A and B zones (-69.51 to -94.61 ft msl).
 QAB = Screened in the aquitard between the A and B zones (-63.84 to -65.84 ft msl).
 B = Screened in the B zone (-50.3 to -149.73 ft msl).
 BC = Screened in both the B and C zones (-95.86 to -109.65 ft msl).
 QBC = Screened in the aquitard between the B and C zones (-122.18 to -146.05 ft msl).
 C = Screened in the C zone (-117.11 to -213.2 ft msl).
 ICD = Screened in an intermediate zone between the C and D zones (-225.97 to -235.97 ft msl).
 QCD = Screened in the aquitard between the C and D zones (-225.76 to -227.76 ft msl).
 D = Screened in the D zone (-261.69 to -306.95 ft msl).
 E = Screened in the E zone (-327.74 to -365.36 ft msl).

NOTES:

(a) = The letters 'S' and 'D' associated with monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.
 (e) = Water level value is suspected to be inaccurate due to field equipment malfunction. These values were not used to generate water level contours.
 b = Unintentionally omitted.
 c = Blocked well access.
 d = Dry Well.
 4Q92 = Fourth Quarter 1992.
 1Q93 = First Quarter 1993.
 msl = Mean Sea Level

TABLE 4 MASTER LOG OF WELLS SAMPLED.
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM
JANUARY THROUGH MARCH 1993, MCLELLAN AIR FORCE BASE

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EC-1	8010	NS	01/08/93	01/19/93	GCIDA1301181701	1,1,1-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane Dibromochloromethane Tetrachloroethene Trichloroethene Vinyl Chloride cis-1,2-Dichloroethene	180 C 79 C 990 C 22 C 11 C@ 5.7 C@ 310 C 130 C 50 C	(14) (12) (18) (3.8) (5) (2.5) (5) (6.2) (6.2)		200 MCL 5.0 MCL 6.0 MCL 0.50 MCL 100 PMCL 5.0 MCL 5.0 MCL 0.50 MCL 6.0 MCL	
EC-1	8020	NS	01/08/93	01/19/93	GCKAY2301182301	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Benzene Chlorobenzene Ethylbenzene Toluene Total Xylenes	3.6 G 0.48 C@ 0.67 C@ 1.4 C@ 0.34 C@ ND 0.45 C@ 0.46 C@	(0.4) (0.2) (0.4) (0.3) (0.2) (0.2) (0.2) (0.3)	G PF, G G G G G G G	130 AL 130 AL 5.0 MCL 1.0 MCL 30 AL 680 MCL 1750 MCL	
M109321	8020	FD	01/08/93	01/17/93	GCKAY2301171101	1,2-Dichlorobenzene 1,4-Dichlorobenzene Benzene Chlorobenzene Ethylbenzene Toluene Total Xylenes	4.3 G@ ND 1.8 C@ ND ND 1.6 C@ ND	(2) (2) (1.5) (1) (1) (1) (1.5)	G G G G G G G	130 AL 5.0 MCL 1.0 MCL 30 AL 680 MCL 1750 MCL	
EC-1	6010	NS	01/08/93	01/21/93	EMJA61301211301	Antimony Barium Calcium Chromium Iron Magnesium Manganese Sodium Vanadium Zinc	0.043 Z@ 0.091 22 0.0090 @ 0.85 16 0.50 21 0.027 @ 0.061	(0.035) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.15) (0.008) (0.003)	R	1.0 MCL 0.050 MCL	
EC-1	7060	NS	01/08/93	01/13/93	AAZ2_301131501	Arsenic	0.0082 @	(0.004)		0.050 MCL	
EC-1	7421	NS	01/08/93	01/20/93	AAZ1_301201402	Lead	ND	(0.003)		0.050 MCL	
EC-1	7470	NS	01/08/93	01/12/93	AAZ4_301121601	Mercury	ND	(0.0002)		0.0020 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EC-1	7740	NS	01/08/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S	0.010 MCL	
EW-137	8010	NS	01/11/93	01/18/93	GCIDA1301171001	1,1-Dichloroethane Trichloroethene cis-1,2-Dichloroethene	3.7 P@ 57 P 7.4 P	(2.5) (1) (1.2)		5.0 MCL 5.0 MCL 5.0 MCL	
EW-137	8020	NS	01/11/93	01/16/93	GCIDA2301151501	No Analytes Detected	ND				
EW-137	6010	NS	01/11/93	01/21/93	EMJA61301211301	Aluminum Antimony Barium Calcium Chromium Copper Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.16 @ 0.038 Z@ 0.17 41 0.015 @ 0.014 @ 0.37 32 0.0050 @ 0.016 @ 24 0.024 @ 0.0077 @	(0.045) (0.035) (0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)	R	1.0 MCL 1.0 MCL 0.050 MCL	
EW-137	7060	NS	01/11/93	01/13/93	AAZ2_301131501	Arsenic	ND	(0.004)		0.050 MCL	
EW-137	7421	NS	01/11/93	01/20/93	AAZ1_301201402	Lead	ND	(0.003)		0.050 MCL	
EW-137	7470	NS	01/11/93	01/13/93	AAZ4_301131801	Mercury	ND	(0.0002)		0.0020 MCL	
EW-137	7740	NS	01/11/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S	0.010 MCL	
EW-140	8010	NS	01/14/93	01/21/93	GCIDA1301211101	Trichloroethene cis-1,2-Dichloroethene	85 P 21 P	(2) (2.5)		5.0 MCL 6.0 MCL	
EW-140	8020	NS	01/14/93	01/20/93	GCIDA2301200201	No Analytes Detected	ND				
EW-140	6010	NS	01/14/93	01/19/93	EMJA61301191001	Barium Calcium Chromium Copper Iron Lead Magnesium Manganese Nickel Sodium Vanadium Zinc	0.11 25 0.019 @ 0.10 4.0 0.066 @ 20 0.032 0.26 19 0.028 @ 0.092	(0.004) (0.05) (0.007) (0.006) (0.009) (0.042) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EW-140	7060	NS	01/14/93	01/19/93	AAZ3_301190802	Arsenic	ND	(0.004)		0.050 MCL	
EW-140	7421	NS	01/14/93	01/18/93	AAZ1_301181801	Lead	0.054	(0.003)		0.050 MCL	
EW-140	7470	NS	01/14/93	01/18/93	AAZ4_301181601	Mercury	ND	(0.0002)		0.0020 MCL	
EW-140	7740	NS	01/14/93	01/19/93	AAZ4_301191201	Selenium	ND	(0.002)	S	0.010 MCL	
EW-141	8010	NS	01/11/93	01/18/93	GCIDA1301171001	Trichloroethene cis-1,2-Dichloroethene	55 P 7.2 P	(1) (1.2)		5.0 MCL 6.0 MCL	
EW-141	8020	NS	01/11/93	01/17/93	GCIDA2301171001	No Analytes Detected	ND				
EW-141	6010	NS	01/11/93	01/21/93	EMJA61301211301	Barium Calcium Chromium Copper Iron Magnesium Molybdenum Sodium Vanadium Zinc	0.093 26 0.018 @ 0.0077 @ 0.086 20 0.012 @ 20 0.024 @ 0.0056 @	(0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.008) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL	
EW-141	7060	NS	01/11/93	01/13/93	AAZ2_301131501	Arsenic	ND	(0.004)		0.050 MCL	
EW-141	7421	NS	01/11/93	01/20/93	AAZ1_301201402	Lead	0.0049 @	(0.003)		0.050 MCL	
EW-141	7470	NS	01/11/93	01/13/93	AAZ4_301131801	Mercury	ND	(0.0002)		0.0020 MCL	
EW-141	7740	NS	01/11/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S	0.010 MCL	
EW-144	8010	NS	01/14/93	01/21/93	GCIDA1301211101	Trichloroethene	1300 P	(10)		5.0 MCL	
EW-144	8020	NS	01/14/93	01/20/93	GCIDA2301200201	No Analytes Detected	ND				
EW-144	6010	NS	01/14/93	01/19/93	EMJA61301191001	Barium Calcium Chromium Iron Magnesium Sodium Vanadium	0.16 39 0.015 @ 0.023 @ 30 24 0.023 @	(0.004) (0.05) (0.007) (0.009) (0.03) (0.15) (0.008)		1.0 MCL 0.050 MCL	
EW-144	7060	NS	01/14/93	01/19/93	AAZ3_301190802	Arsenic	ND	(0.004)		0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EW-144	7421	NS	01/14/93	01/18/93	AAZ1_301181801	Lead	ND	(0.003)		0.050 MCL	
EW-144	7470	NS	01/14/93	01/18/93	AAZ4_301181601	Mercury	ND	(0.0002)		0.0020 MCL	
EW-144	7740	NS	01/14/93	01/19/93	AAZ4_301191201	Selenium	ND	(0.002)	S	0.010 MCL	
EW-233	8010	NS	01/08/93	01/19/93	GCIDA1301181701	Tetrachloroethene Trichloroethene	1000 P 5400 P	(25) (50)		5.0 MCL 5.0 MCL	
EW-233	8020	NS	01/08/93	01/18/93	GCKAY1301171101	Toluene	0.23 G@	(0.2)			
EW-233	6010	NS	01/08/93	01/21/93	EMJA61301211301	Antimony Barium Calcium Chromium Copper Iron Magnesium Manganese Sodium Vanadium Zinc	0.059 Z@ 0.045 17 0.015 @ 0.015 @ 2.6 12 0.0029 @ 17 0.030 @ 0.066	(0.035) (0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.15) (0.008) (0.003)	R	1.0 MCL 0.050 MCL	
EW-233	7060	NS	01/08/93	01/13/93	AAZ2_301131501	Arsenic	ND	(0.004)		0.050 MCL	
EW-233	7421	NS	01/08/93	01/20/93	AAZ1_301201402	Lead	0.0088 @	(0.003)		0.050 MCL	
EW-233	7470	NS	01/08/93	01/12/93	AAZ4_301121601	Mercury	ND	(0.0002)		0.0020 MCL	
EW-233	7740	NS	01/08/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S	0.010 MCL	
EW-234	8010	NS	01/08/93	01/19/93	GCIDA1301181701	Tetrachloroethene Trichloroethene	71 P 800 P	(2.5) (5)		5.0 MCL 5.0 MCL	
EW-234	8020	NS	01/08/93	01/18/93	GCKAY1301171101	No Analytes Detected	ND				
EW-234	6010	NS	01/08/93	01/21/93	EMJA61301211301	Antimony Barium Calcium Copper Iron Magnesium Manganese Sodium Vanadium Zinc	0.079 Z@ 0.053 22 0.010 @ 0.47 15 0.014 18 0.025 @ 0.29	(0.035) (0.004) (0.05) (0.006) (0.009) (0.03) (0.002) (0.15) (0.008) (0.003)	R	1.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EW-234	7060	NS	01/08/93	01/13/93	AAZ2_301131501	Arsenic	0.0042 @	(0.004)		0.050 MCL	
EW-234	7421	NS	01/08/93	01/20/93	AAZ1_301201402	Lead	0.0097 @	(0.003)		0.050 MCL	
EW-234	7470	NS	01/08/93	01/12/93	AAZ4_301121601	Mercury	ND	(0.0002)		0.0020 MCL	
EW-234	7740	NS	01/08/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S	0.010 MCL	
MW-7	8010	NS	01/26/93	02/01/93	GCIDA1302011501	1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	0.40 P@ 2.6 P 24 P 16 P	(0.15) (0.15) (0.2) (0.25)	PF	0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	
M109301	8010	FD	01/26/93	02/03/93	GCIDA1302021501	1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	0.34 C@ 1.9 C 21 C 13 C	(0.15) (0.15) (0.2) (0.25)		0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	
MW-7	8020	NS	01/26/93	02/01/93	GCIDA2302011501	No Analytes Detected	ND				
MW-14	8010	NS	01/26/93	02/05/93	GC1EX1302050301	1,1,1-Trichloroethane 1,1-Dichloroethene Trichloroethene	1100 C 2100 C 1700 C	(140) (180) (50)		200 MCL 6.0 MCL 5.0 MCL	
AB-14	8010	AB	01/26/93	01/30/93	GCIDA1301291301	No Analytes Detected	ND				
MW-14	8020	NS	01/26/93	01/30/93	GCIDA2301291301	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Benzene Chlorobenzene Toluene	5.4 C 1.6 C 1.5 C@ 0.77 C@ 0.26 C@ 2.0 G	(0.4) (0.2) (0.4) (0.3) (0.2) (0.2)		130 AL 130 AL 5.0 MCL 1.0 MCL 30 AL	
AB-14	8020	AB	01/26/93	01/30/93	GCIDA2301291301	No Analytes Detected	ND				
MW-14	6010	NS	01/26/93	02/04/93	EMJA61302042001	Aluminum Antimony Barium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum	19 0.097 Z@ 0.27 21 0.063 0.036 0.053 Z 27 Z 0.059 @ 20 1.6 0.0087 @	(0.045) (0.035) (0.004) (0.05) (0.007) (0.007) (0.006) (0.009) (0.042) (0.03) (0.002) (0.008)	R	1.0 MCL 1.0 MCL 0.050 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-14	6010	NS	01/26/93	02/04/93	ENJA61302042001	Nickel Potassium Sodium Thallium Vanadium Zinc	0.056 @ 4.1 @ 17 0.052 @ 0.14 0.11	(0.016) (3) (0.15) (0.051) (0.008) (0.003)			
MW-14	7060	NS	01/26/93	02/03/93	AAZ1_302031601	Arsenic	0.0049 @	(0.004)		0.050 MCL	
MW-14	7421	NS	01/26/93	02/03/93	AAZ2_302031801	Lead	0.013 @	(0.003)		0.050 MCL	
MW-14	7470	NS	01/26/93	01/29/93	AAZ4_301291701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-14	7740	NS	01/26/93	02/09/93	AAZ3_302091301	Selenium	ND	(0.002)	S	0.010 MCL	
MW-15	8010	NS	01/13/93	01/20/93	GCIDA1301200201	1,1,1-Trichloroethane 1,1-Dichloroethene Trichloroethene	170 C 320 C 310 C	(14) (18) (5)		200 MCL 6.0 MCL 5.0 MCL	
EB-15	8010	EB	01/13/93	01/23/93	GCIDA1301221701	Trichloroethene	1.4 G	(0.2)		5.0 MCL	
MW-15	8020	NS	01/13/93	01/20/93	GCIDA2301200201	No Analytes Detected	ND				
MW-15	6010	NS	01/13/93	01/19/93	EMJA61301191001	Aluminum Barium Calcium Chromium Copper Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	9.3 0.11 15 0.043 0.0093 @ 12 12 0.20 0.032 @ 16 0.067 0.063	(0.045) (0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	
MW-15	7060	NS	01/13/93	01/19/93	AAZ3_301190802	Arsenic	0.0058 @	(0.004)		0.050 MCL	
MW-15	7421	NS	01/13/93	01/18/93	AAZ1_301181801	Lead	0.0039 @	(0.003)		0.050 MCL	
MW-15	7470	NS	01/13/93	01/18/93	AAZ4_301181601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-15	7740	NS	01/13/93	01/19/93	AAZ4_301191201	Selenium	ND	(0.002)	S	0.010 MCL	
MW-190	8010	NS	01/27/93	02/03/93	GCTEX1302021701	1,1,1-Trichloroethane 1,1-Dichloroethene Trichloroethene	2.7 C@ 1.6 C@ 2.9 C	(0.55) (0.7) (0.2)		200 MCL 6.0 MCL 5.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-190	8020	NS	01/27/93	02/02/93	GC1EX2302011101	Total Xylenes	ND	(0.3)	PL	1750 MCL	
MW-190	6010	NS	01/27/93	02/04/93	EMJA61302042001	Aluminum	0.85	(0.045)		1.0 MCL	
						Barium	0.058	(0.004)		1.0 MCL	
						Calcium	14	(0.05)			
						Chromium	0.045	(0.007)			
						Copper	0.016 Z@	(0.006)			
						Iron	2.7 Z	(0.009)		R	0.050 MCL
						Magnesium	10	(0.03)			
						Manganese	0.035	(0.002)			
						Nickel	0.036 @	(0.016)			
						Sodium	15	(0.15)			
						Vanadium	0.036 @	(0.008)			
Zinc	0.091	(0.003)									
MW-190	7060	NS	01/27/93	02/03/93	AAZ1__302031601	Arsenic	ND	(0.004)		0.050 MCL	
MW-190	7421	NS	01/27/93	02/03/93	AAZ2__302031801	Lead	0.0050 @	(0.003)		0.050 MCL	
MW-190	7470	NS	01/27/93	01/29/93	AAZ4__301291701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-190	7740	NS	01/27/93	02/11/93	AAZ4__302110902	Selenium	ND	(0.002)	S	0.010 MCL	
MW-230	8010	NS	01/07/93	01/15/93	GC1DA1301141201	No Analytes Detected	ND				
MW-260	8010	NS	01/08/93	01/19/93	GC1DA1301181701	Trichloroethene	37 C	(1)	PF	5.0 MCL	
M1Q9302	8010	FD	01/08/93	01/20/93	GC1DA130120C201	Chloroform Trichloroethene	6.6 C 47 C	(0.75) (1)		100 PMCL 5.0 MCL	
MW-260	8020	NS	01/08/93	01/18/93	GCKAY1301171101	No Analytes Detected	ND				
MW-260	6010	NS	01/08/93	01/21/93	FMJA61301211301	Barium	0.049	(0.004)		1.0 MCL	
						Calcium	17	(0.05)			
						Chromium	0.023 @	(0.007)		0.050 MCL	
						Iron	0.35	(0.009)			
						Magnesium	12	(0.03)			
						Manganese	0.010	(0.002)			
						Nickel	0.11	(0.016)			
						Sodium	15	(0.15)			
						Vanadium	0.029 @	(0.008)			
						Zinc	0.0035 @	(0.003)			
						MW-260	7060	NS	01/08/93	01/13/93	AAZ2__301131501
MW-260	7421	NS	01/08/93	01/20/93	AAZ1__301201402	Lead	ND	(0.003)		0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-26D	7470	NS	01/08/93	01/12/93	AAZ4_301121601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-26D	7740	NS	01/08/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S	0.010 MCL	
MW-27D	8010	NS	01/08/93	01/20/93	GC1DA1301200201	1,2-Dichloroethane	1.6 G	(0.15)	PF	0.50 MCL	
						Carbon Tetrachloride	25 C	(0.35)		0.50 MCL	
						Chloroform	6.0 C	(0.15)		100 PMCL	
						Trichloroethene	35 C	(0.2)		5.0 MCL	
M109303	8010	FD	01/08/93	01/19/93	GC1DA1301181701	cis-1,2-Dichloroethene	6.0 C	(0.25)	PF	6.0 MCL	
						1,2-Dichloroethane	1.4 C	(0.15)		0.50 MCL	
						Carbon Tetrachloride	15 C	(0.35)		0.50 MCL	
						Chloroform	4.9 C	(0.15)		100 PMCL	
						Trichloroethene	26 C	(0.2)		5.0 MCL	
MW-27D	6010	NS	01/08/93	01/21/93	EMJA61301211301	cis-1,2-Dichloroethene	4.1 C	(0.25)	R	6.0 MCL	
						Aluminum	0.39	(0.045)		1.0 MCL	
						Antimony	0.051 Z@	(0.035)		1.0 MCL	
						Barium	0.068	(0.004)		0.050 MCL	
						Calcium	18	(0.05)			
						Chromium	0.014 @	(0.007)			
						Iron	0.51	(0.009)			
						Magnesium	11	(0.03)			
						Manganese	0.085	(0.002)			
						Sodium	16	(0.15)			
						Vanadium	0.023 @	(0.008)			
						Arsenic	ND	(0.004)		0.050 MCL	
						Lead	ND	(0.003)		0.050 MCL	
						Mercury	ND	(0.0002)		0.0020 MCL	
MW-27D	7740	NS	01/08/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S	0.010 MCL	
MW-41S	8010	NS	01/07/93	01/19/93	GC1DA1301181701	Tetrachloroethene	16 P	(2.5)		5.0 MCL	
						Trichloroethene	460 P	(5)		5.0 MCL	
MW-41S	8020	NS	01/07/93	01/17/93	GCKAY1301171101	No Analytes Detected	ND				
MW-55	8010	NS	01/12/93	01/22/93	GC1DA1301211101	Tetrachloroethene	0.24 C@	(0.1)		5.0 MCL	
						Trichloroethene	4.4 G	(0.2)		5.0 MCL	
MW-55	6010	NS	01/12/93	01/19/93	EMJA61301191001	Aluminum	0.37	(0.045)		1.0 MCL	
						Barium	0.16	(0.004)		1.0 MCL	
						Calcium	15	(0.05)			

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-55	6010	NS	01/12/93	01/19/93	EMJAG1301191001	Chromium Iron Magnesium Manganese Sodium Vanadium Zinc	0.056 54 9.7 0.26 16 0.10 0.0064 @	(0.007) (0.009) (0.03) (0.002) (0.15) (0.008) (0.003)		0.050 MCL	
M109304	6010	FD	01/12/93	01/19/93	EMJAG1301191001	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Sodium Vanadium Zinc	0.33 0.12 15 0.042 39 9.6 0.19 16 0.080 0.0069 @	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	
MW-55	7060	NS	01/12/93	01/19/93	AAZ3_301190802	Arsenic	0.015 @	(0.004)		0.050 MCL	
M109304	7060	FD	01/12/93	01/19/93	AAZ3_301190802	Arsenic	0.014 @	(0.004)		0.050 MCL	
MW-55	7421	NS	01/12/93	01/18/93	AAZ1_301181801	Lead	ND	(0.003)		0.050 MCL	
M109304	7421	FD	01/12/93	01/18/93	AAZ1_301181801	Lead	ND	(0.003)		0.050 MCL	
MW-55	7470	NS	01/12/93	01/14/93	AAZ4_301141601	Mercury	ND	(0.0002)		0.0020 MCL	
M109304	7470	FD	01/12/93	01/14/93	AAZ4_301141601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-55	7740	NS	01/12/93	01/19/93	AAZ4_301191201	Selenium	ND	(0.002)	S	0.010 MCL	
M109304	7740	FD	01/12/93	01/19/93	AAZ4_301191201	Selenium	ND	(0.002)	S	0.010 MCL	
MW-57	8010	NS	01/27/93	02/03/93	GCTEX1302021701	No Analytes Detected	ND				
MW-57	8020	NS	01/27/93	02/02/93	GCTEX2302011101	No Analytes Detected	ND				
MW-57	6010	NS	01/27/93	02/04/93	EMJAG1302042001	Antimony Barium Calcium Chromium Iron Magnesium Manganese Sodium	0.086 Z@ 0.061 14 0.027 @ 40 Z 8.1 0.46 15	(0.035) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.15)	R	1.0 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-57	6010	NS	01/27/93	02/04/93	EMJA61302042001	Thallium Vanadium Zinc	0.074 @ 0.087 0.11	(0.051) (0.008) (0.003)			
MW-57	7060	NS	01/27/93	02/03/93	AAZ1_302031601	Arsenic	0.022	(0.004)		0.050 MCL	
MW-57	7421	NS	01/27/93	02/03/93	AAZ2_302031801	Lead	0.0056 @	(0.003)		0.050 MCL	
MW-57	7470	NS	01/27/93	01/29/93	AAZ4_301291701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-57	7740	NS	01/27/93	02/09/93	AAZ3_302091301	Selenium	ND	(0.002)	S	0.010 MCL	
MW-58	8010	NS	01/22/93	02/02/93	GCIDA1302011501	No Analytes Detected	ND				
MW-58	8020	NS	01/22/93	01/31/93	GCTEX2301301401	No Analytes Detected	ND				
MW-58	6010	NS	01/22/93	02/09/93	EMJA61302091301	Barium Calcium Iron Magnesium Selenium Sodium Vanadium	0.038 16 0.049 Z 9.4 0.099 Z@ 17 0.028 @	(0.004) (0.05) (0.009) (0.03) (0.075) (0.15) (0.008)		1.0 MCL	0.010 MCL
MW-58	7060	NS	01/22/93	01/28/93	AAZ3_301281801	Arsenic	ND	(0.004)		0.050 MCL	
MW-58	7421	NS	01/22/93	01/28/93	AAZ4_301280801	Lead	ND	(0.003)		0.050 MCL	
MW-58	7470	NS	01/22/93	01/27/93	AAZ4_301271601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-58	7740	NS	01/22/93	01/29/93	AAZ3_301290901	Selenium	ND	(0.002)	S	0.010 MCL	
MW-61	8010	NS	01/26/93	01/30/93	GCIDA1301291301	Tetrachloroethene Trichloroethene	0.32 C@ 36 C	(0.1) (0.2)		5.0 MCL 5.0 MCL	
AB-61	8010	AB	01/26/93	01/30/93	GCIDA1301291301	No Analytes Detected	ND				
MW-61	8020	NS	01/26/93	01/30/93	GCIDA2301291301	Toluene	0.53 V@	(0.2)			
AB-61	8020	AB	01/26/93	01/30/93	GCIDA2301291301	No Analytes Detected	ND				
MW-61	6010	NS	01/26/93	02/04/93	EMJA61302042001	Aluminum Antimony Barium Calcium Chromium Copper	0.17 @ 0.062 Z@ 0.042 13 0.015 @ 0.0079 Z@	(0.045) (0.035) (0.004) (0.05) (0.007) (0.006)	R	1.0 MCL 1.0 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-61	6010	NS	01/26/93	02/04/93	EMJA61302042001	Iron Lead Magnesium Manganese Nickel Sodium Vanadium Zinc	30 Z 0.066 @ 9.2 0.28 0.016 @ 15 0.047 0.048	(0.009) (0.042) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)		0.050 MCL	
MW-61	7060	NS	01/26/93	02/03/93	AAZ1_302031601	Arsenic	0.0056 @	(0.004)		0.050 MCL	
MW-61	7421	NS	01/26/93	02/03/93	AAZ2_302031801	Lead	ND	(0.003)		0.050 MCL	
MW-61	7470	NS	01/26/93	01/29/93	AAZ4_301291701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-61	7740	NS	01/26/93	02/09/93	AAZ3_302090801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-63	8010	NS	01/28/93	02/09/93	GCTEX1302081401	Trichloroethene cis-1,2-Dichloroethene	40 P 15 P	(1) (1.2)		5.0 MCL 6.0 MCL	TB-4
MW-64	8010	NS	01/12/93	01/23/93	GCIDA1301221701	Trichloroethene	0.81 P@	(0.2)		5.0 MCL	
MW-64	8020	NS	01/12/93	01/20/93	GCKAY1301201701	No Analytes Detected	ND			5.0 MCL	
MW-66	8010	NS	01/18/93	01/28/93	GCTEX1301271601	Trichloroethene	1.0 P	(0.2)		5.0 MCL	
MW-69	8010	NS	01/15/93	01/23/93	GCIDA1301221701	Carbon Tetrachloride Trichloroethene	0.81 C@ 1.2 C	(0.35) (0.2)		0.50 MCL 5.0 MCL	TB-1
AB-69	8010	AB	01/15/93	01/23/93	GCIDA1301221701	No Analytes Detected	ND				
MW-71	8010	NS	01/21/93	02/02/93	GCIDA1302011501	1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	2.3 C@ 3.4 C@ 0.50 C@ 22 C 18 C 1.9 C	(0.5) (0.7) (0.15) (0.15) (0.2) (0.25)		5.0 MCL 6.0 MCL 0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	
MW-74	8010	NS	01/28/93	02/07/93	GCTEX1302061101	1,1-Dichloroethene 1,2-Dichloroethane Trichloroethene	3.3 C@ 0.21 C@ 2.9 C	(0.7) (0.15) (0.2)		6.0 MCL 0.50 MCL 5.0 MCL	TB-4
MW-74	8020	NS	01/28/93	02/09/93	GCKAY1302090001	No Analytes Detected	ND				
MW-74	6010	NS	01/28/93	02/04/93	EMJA61302042001	Antimony Barium Calcium	0.039 Z@ 0.047 14	(0.035) (0.004) (0.05)	R	1.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-74	6010	NS	01/28/93	02/04/93	EMJA61302042001	Chromium	0.014 @	(0.007)		0.050 MCL	
						Iron	0.13 Z	(0.009)			
						Magnesium	9.6	(0.03)			
						Manganese	0.0028 @	(0.002)			
						Sodium	16	(0.15)			
						Vanadium	0.036 @	(0.008)			
						Zinc	0.0044 @	(0.003)			
MW-74	7060	NS	01/28/93	02/03/93	AAZ1_302031601	Arsenic	ND	(0.004)		0.050 MCL	
MW-74	7421	NS	01/28/93	02/03/93	AAZ2_302031801	Lead	ND	(0.003)		0.050 MCL	
MW-74	7470	NS	01/28/93	02/01/93	AAZ3_302011702	Mercury	ND	(0.0002)		0.0020 MCL	
MW-74	7740	NS	01/28/93	02/09/93	AAZ3_302091301	Selenium	ND	(0.002)	S	0.010 MCL	
MW-75	6010	NS	01/29/93	02/04/93	EMJA61302042001	Aluminum	0.12 @	(0.045)		1.0 MCL	
						Barium	0.029	(0.004)		1.0 MCL	
						Calcium	12	(0.05)			
						Chromium	0.016 @	(0.007)			
						Copper	0.0068 Z @	(0.006)	R	0.050 MCL	
						Iron	16 Z	(0.009)			
						Magnesium	11	(0.03)			
						Manganese	0.47	(0.002)			
						Sodium	17	(0.15)			
						Thallium	0.070 @	(0.051)			
						Zinc	0.20	(0.003)			
MW-75	7060	NS	01/29/93	02/03/93	AAZ1_302031601	Arsenic	ND	(0.004)		0.050 MCL	
MW-75	7421	NS	01/29/93	02/03/93	AAZ2_302031801	Lead	ND	(0.003)		0.050 MCL	
MW-75	7470	NS	01/29/93	02/03/93	AAZ4_302032001	Mercury	ND	(0.0002)		0.0020 MCL	
MW-75	7740	NS	01/29/93	02/09/93	AAZ3_302090801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-76	8010	NS	01/29/93	02/07/93	GCTEX1302061101	No Analytes Detected	ND				TB-5
MW-76	8020	NS	01/29/93	02/09/93	GCKAY1302090001	No Analytes Detected	ND				
MW-76	6010	NS	01/29/93	02/04/93	EMJA61302042001	Antimony	0.052 Z @	(0.035)	R	0 MCL	
						Barium	0.051	(0.004)			
						Calcium	14	(0.05)			
						Chromium	0.012 @	(0.007)		0.050 MCL	
						Copper	0.0076 Z @	(0.006)	R		
						Iron	0.059 Z	(0.009)	R		
						Magnesium	10	(0.03)			

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-76	6010	NS	01/29/93	02/04/93	EMJA61302042001	Manganese Sodium Thallium Vanadium	0.0028 @ 17 0.14 @ 0.032 @	(0.002) (0.15) (0.051) (0.008)			
MW-76	7060	NS	01/29/93	02/03/93	AAZ1_302031601	Arsenic	ND	(0.004)		0.050 MCL	
MW-76	7421	NS	01/29/93	02/03/93	AAZ2_302031801	Lead	ND	(0.003)		0.050 MCL	
MW-76	7470	NS	01/29/93	02/03/93	AAZ4_302032001	Mercury	ND	(0.0002)		0.0020 MCL	
MW-76	7740	NS	01/29/93	02/09/93	AAZ3_302090801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-88	8010	NS	01/25/93	01/29/93	GCTEX1301282001	No Analytes Detected	ND				
MW-88	8020	NS	01/25/93	01/29/93	GCTEX2301282001	No Analytes Detected	ND				
MW-88	6010	NS	01/25/93	02/15/93	EMJA61302151401	Barium Calcium Iron Magnesium Manganese Molybdenum Sodium Vanadium	0.029 10 0.48 2 7.4 0.029 0.0099 @ 14 0.027 @	(0.004) (0.05) (0.009) (0.03) (0.002) (0.008) (0.15) (0.008)		1.0 MCL	
MW-88	7060	NS	01/25/93	01/28/93	AAZ3_301281801	Arsenic	0.0044 @	(0.004)		0.050 MCL	
MW-88	7421	NS	01/25/93	01/28/93	AAZ4_301280801	Lead	ND	(0.003)		0.050 MCL	
MW-88	7470	NS	01/25/93	01/27/93	AAZ4_301271601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-88	7740	NS	01/25/93	01/29/93	AAZ3_301290901	Selenium	ND	(0.002)	S	0.010 MCL	
MW-92	8010	NS	01/14/93	01/21/93	GCTDA1301211101	No Analytes Detected	ND				
MW-92	8020	NS	01/14/93	01/22/93	GCKAY1301212301	No Analytes Detected	ND				
MW-92	6010	NS	01/14/93	01/19/93	EMJA61301191001	Aluminum Barium Calcium Iron Magnesium Manganese Sodium	0.15 @ 0.025 17 0.77 6.2 0.062 11	(0.045) (0.004) (0.05) (0.009) (0.03) (0.002) (0.15)		1.0 MCL 1.0 MCL	
M109305	6010	FD	01/14/93	01/19/93	EMJA61301191001	Aluminum	0.18 @	(0.045)		1.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
M1Q9305	6010	FD	01/14/93	01/19/93	EMJA61301191001	Barium Calcium Iron Magnesium Manganese Sodium	0.026 17 0.82 6.2 0.063 11	(0.004) (0.05) (0.009) (0.03) (0.002) (0.15)		1.0 MCL	
MW-92	7060	NS	01/14/93	01/19/93	AAZ3__301190802	Arsenic	ND	(0.004)		0.050 MCL	
M1Q9305	7060	FD	01/14/93	01/19/93	AAZ3__301190802	Arsenic	ND	(0.004)		0.050 MCL	
MW-92	7421	NS	01/14/93	01/18/93	AAZ1__301181801	Lead	0.0030 @	(0.003)		0.050 MCL	
M1Q9305	7421	FD	01/14/93	01/18/93	AAZ1__301181801	Lead	ND	(0.003)		0.050 MCL	
MW-92	7470	NS	01/14/93	01/18/93	AAZ4__301181601	Mercury	ND	(0.0002)		0.0020 MCL	
M1Q9305	7470	FD	01/14/93	01/18/93	AAZ4__301181601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-92	7740	NS	01/14/93	01/19/93	AAZ4__301191201	Selenium	ND	(0.002)	S	0.010 MCL	
M1Q9305	7740	FD	01/14/93	01/19/93	AAZ4__301191201	Selenium	ND	(0.002)	S	0.010 MCL	
MW-101	8010	NS	01/18/93	01/28/93	GC1EX1301271601	No Analytes Detected	ND				
AB-101	8010	AB	01/18/93	01/28/93	GC1EX1301271601	No Analytes Detected	ND				
MW-101	8020	NS	01/18/93	01/21/93	GCKAY1301201701	No Analytes Detected	ND				
AB-101	8020	AB	01/18/93	01/21/93	GCKAY1301201701	No Analytes Detected	ND				
MW-101	6010	NS	01/18/93	01/28/93	EMJA61301281701	Aluminum Antimony Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.16 @ 0.057 @ 0.033 12 0.034 @ 0.44 7.8 0.0054 @ 0.020 @ 15 0.029 @ 0.0057 @	(0.045) (0.035) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL		
MW-101	7060	NS	01/18/93	01/25/93	AAZ4__301250801	Arsenic	0.0043 @	(0.004)		0.050 MCL	
MW-101	7421	NS	01/18/93	01/22/93	AAZ2__301221501	Lead	ND	(0.003)		0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-101	7470	NS	01/18/93	01/21/93	AAZ4_301211901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-101	7740	NS	01/18/93	01/25/93	AAZ3_301250801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-132	8010	NS	01/27/93	02/03/93	GC1EX1302021701	1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	0.51 P@ 1.3 P@ 48 P 16 P	(0.3) (0.3) (0.4) (0.5)		0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	
MW-132	8020	NS	01/27/93	02/02/93	GC1EX2302011101	No Analytes Detected	ND				
MW-148	8010	NS	01/12/93	01/23/93	GC1DA1301221701	Trichloroethene cis-1,2-Dichloroethene	9.1 P 2.3 P	(0.2) (0.25)		5.0 MCL 6.0 MCL	
EB-148	8010	EB	01/12/93	01/23/93	GC1DA1301221701	No Analytes Detected	ND				
MW-148	8020	NS	01/12/93	01/20/93	GCKAY1301201701	No Analytes Detected	ND				
MW-149	8010	NS	01/19/93	01/28/93	CC1EX1301271601	Trichloroethene	0.68 C@	(0.2)		5.0 MCL	TB-2
MW-150	8010	NS	01/08/93	01/16/93	GC1DA1301151501	Tetrachloroethene	0.20 G@	(0.1)		5.0 MCL	
M109306	8010	FD	01/08/93	01/19/93	GC1DA1301181701	Tetrachloroethene	0.43 C@	(0.1)	PF	5.0 MCL	
MW-150	8020	NS	01/08/93	01/19/93	GCKAY1301182301	No Analytes Detected	ND				
MW-150	6010	NS	01/08/93	01/21/93	FMJA61301211301	Aluminum Antimony Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.16 @ 0.063 Z@ 0.031 14 0.077 1.1 10 0.035 0.092 15 0.033 @ 0.052	(0.045) (0.035) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)	R	1.0 MCL 1.0 MCL 0.050 MCL	
MW-150	7060	NS	01/08/93	01/13/93	AAZ2_301131501	Arsenic	0.0068 @	(0.004)		0.050 MCL	
MW-150	7421	NS	01/08/93	01/20/93	AAZ1_301201402	Lead	0.0059 @	(0.003)		0.050 MCL	
MW-150	7470	NS	01/08/93	01/12/93	AAZ4_301121601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-150	7740	NS	01/08/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S	0.010 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-152	8010	NS	01/08/93	01/20/93	GC1DA1301200201	No Analytes Detected	ND				
MW-153	8010	NS	01/08/93	01/19/93	GC1DA1301181701	Tetrachloroethene Trichloroethene	13 P 180 P	(1) (2)		5.0 MCL 5.0 MCL	
M109307	8010	FD	01/08/93	01/19/93	GC1DA1301181701	Tetrachloroethene Trichloroethene	17 C 220 C	(1) (2)		5.0 MCL 5.0 MCL	
MW-153	8020	NS	01/08/93	01/18/93	GCKAY1301171101	No Analytes Detected	ND				
MW-153	6010	NS	01/08/93	01/21/93	EMJA61301211301	Aluminum Barium Calcium Chromium Cobalt Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.094 @ 0.047 16 0.085 0.011 @ 0.64 12 0.044 0.066 @ 4.0 @ 20 0.028 @ 0.041	(0.045) (0.004) (0.05) (0.007) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	
MW-153	7060	NS	01/08/93	01/13/93	AAZ2_301131501	Arsenic	0.0042 @	(0.004)		0.050 MCL	
MW-153	7421	NS	01/08/93	01/20/93	AAZ1_301201402	Lead	ND	(0.003)		0.050 MCL	
MW-153	7470	NS	01/08/93	01/12/93	AAZ4_301121601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-153	7740	NS	01/08/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S	0.010 MCL	
MW-154	8010	NS	01/14/93	01/22/93	GC1DA1301211101	Carbon Tetrachloride Chloroform Trichloroethene	0.60 Pa 2.2 P 4.4 P	(0.35) (0.15) (0.2)		0.50 MCL 100 PMCL 5.0 MCL	
MW-155	8010	NS	01/12/93	01/23/93	GC1DA1301221701	1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	0.61 C@ 3.0 C 19 C 13 C	(0.15) (0.15) (0.2) (0.25)		0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	
M109308	8010	FD	01/12/93	01/22/93	GC1DA1301211101	1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	0.63 C@ 3.2 C 24 C 14 C	(0.15) (0.15) (0.2) (0.25)		0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC	
MW-155	8020	NS	01/12/93	01/21/93	GCKAV1301201701	Toluene	0.21 C@	(0.2)				
MW-156	8010	NS	01/27/93	02/03/93	GCTEX1302021701	1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	0.98 C@ 2.1 C@ 93 C 38 C	(0.75) (0.75) (1) (1.2)		0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL		
MW-156	6010	NS	01/27/93	02/04/93	EMJAE1302042001	Antimony Barium Calcium Chromium Iron Magnesium Manganese Molybdenum Nickel Sodium Thallium Vanadium Zinc	0.069 Z@ 0.092 23 0.28 2.4 Z 18 0.020 0.0097 @ 0.27 18 0.12 @ 0.030 @ 0.018	(0.035) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.008) (0.016) (0.15) (0.051) (0.008) (0.003)		1.0 MCL 0.050 MCL		
EB-156	6010	EB	01/27/93	02/04/93	EMJAE1302042001	Antimony Arsenic Calcium Iron Magnesium Thallium	0.066 Z@ 0.068 @ 0.072 @ 0.052 Z 0.067 @ 0.097 @	(0.035) (0.053) (0.05) (0.009) (0.03) (0.051)	0. R	0.050 MCL		
MW-156	7060	NS	01/27/93	02/03/93	AAZ1_302031601	Arsenic	0.0041 @	(0.004)		0.050 MCL		
EB-156	7060	EB	01/27/93	02/03/93	AAZ1_302031601	Arsenic	ND	(0.004)		0.050 MCL		
MW-156	7421	NS	01/27/93	02/03/93	AAZ2_302031801	Lead	0.0036 @	(0.003)		0.050 MCL		
EB-156	7421	EB	01/27/93	02/03/93	AAZ2_302031801	Lead	ND	(0.003)		0.050 MCL		
MW-156	7470	NS	01/27/93	01/29/93	AAZ4_301291701	Mercury	ND	(0.0002)		0.0020 MCL		
EB-156	7470	EB	01/27/93	01/29/93	AAZ4_301291701	Mercury	ND	(0.0002)		0.0020 MCL		
MW-156	7740	NS	01/27/93	02/09/93	AAZ3_302091301	Selenium	ND	(0.002)	S	0.010 MCL		
EB-156	7740	EB	01/27/93	02/09/93	AAZ3_302091301	Selenium	ND	(0.002)	S	0.010 MCL		
MW-157	8010	NS	01/14/93	01/21/93	GCIDA1301211101	Tetrachloroethene Trichloroethene	68 P 670 P	(2.5) (5)	PF PF	5.0 MCL 5.0 MCL		

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
M109309	8010	FD	01/14/93	01/23/93	GCIDA1301221701	Tetrachloroethene Trichloroethene	46 C 460 C	(2.5) (5)		5.0 MCL 5.0 MCL	
MW-157	8020	NS	01/14/93	01/22/93	GCKAY1301212301	No Analytes Detected	ND				
MW-157	6010	NS	01/14/93	01/19/93	EMJA61301191001	Aluminum Barium Calcium Chromium Cobalt Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	3.2 0.067 18 0.66 0.011 @ 7.3 14 0.091 0.18 16 0.036 @ 0.050	(0.045) (0.004) (0.05) (0.007) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL		
MW-157	7060	NS	01/14/93	01/19/93	AAZ3_301190802	Arsenic	0.0047 @	(0.004)		0.050 MCL	
MW-157	7421	NS	01/14/93	01/18/93	AAZ1_301181801	Lead	0.0034 @	(0.003)		0.050 MCL	
MW-157	7470	NS	01/14/93	01/18/93	AAZ4_301181601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-157	7740	NS	01/14/93	01/19/93	AAZ4_301191201	Selenium	ND	(0.002)	S	0.010 MCL	
MW-158	8010	NS	01/14/93	01/21/93	GCIDA1301211101	Tetrachloroethene Trichloroethene cis-1,2-Dichloroethene	110 P 950 P 18 P@	(2.5) (5) (6.2)		5.0 MCL 5.0 MCL 6.0 MCL	
AB-158	8010	AB	01/14/93	01/21/93	GCIDA1301200201	No Analytes Detected	ND				
MW-158	8020	NS	01/14/93	01/22/93	GCKAY1301212301	No Analytes Detected	ND				
AB-158	8020	AB	01/14/93	01/21/93	GCIDA2301200201	No Analytes Detected	ND				
MW-158	6010	NS	01/14/93	01/19/93	EMJA61301191001	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.76 0.047 16 0.33 2.5 11 0.039 0.041 @ 16 0.030 @ 0.023	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL		

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC	
MW-158	7060	NS	01/14/93	01/19/93	AAZ3_301190802	Arsenic	0.0047 @	(0.004)		0.050 MCL		
MW-158	7421	NS	01/14/93	01/18/93	AAZ1_301181801	Lead	ND	(0.003)		0.050 MCL		
MW-158	7470	NS	01/14/93	01/18/93	AAZ4_301181601	Mercury	ND	(0.0002)		0.0020 MCL		
MW-158	7740	NS	01/14/93	01/19/93	AAZ4_301191201	Selenium	ND	(0.002)	S	0.010 MCL		
MW-159	8010	NS	01/14/93	01/21/93	GCIDA1301211101	Tetrachloroethene Trichloroethene cis-1,2-Dichloroethene	6.3 P 150 P 42 P	(1) (2) (2.5)		5.0 MCL 5.0 MCL 6.0 MCL		
MW-159	8020	NS	01/14/93	01/22/93	GCKAY1301212301	No Analytes Detected	ND					
M109310	8020	FD	01/14/93	01/21/93	GCKAY1301201701	No Analytes Detected	ND					
MW-163	8010	NS	01/27/93	02/03/93	GCTEX1302021701	1,1-Dichloroethane Trichloroethene cis-1,2-Dichloroethene	1.4 C@ 5.5 C 0.69 C@	(0.5) (0.2) (0.25)		5.0 MCL 5.0 MCL 6.0 MCL		
MW-163	6010	NS	01/27/93	02/04/93	EMJAG1302042001	Aluminum Antimony Barium Calcium Chromium Cobalt Copper Iron Magnesium Manganese Nickel Sodium Thallium Vanadium Zinc	2.3 0.071 Z@ 0.073 20 0.11 0.0091 @ 0.016 Z@ 5.6 Z 15 0.11 0.043 @ 20 0.12 @ 0.033 @ 0.064	(0.045) (0.035) (0.004) (0.05) (0.007) (0.007) (0.006) (0.009) (0.03) (0.002) (0.016) (0.15) (0.051) (0.008) (0.003)	0.10 MCL 1.0 MCL 1.0 MCL 0.050 MCL			
EB-163	6010	EB	01/27/93	02/04/93	EMJAG1302042001	Antimony Iron Magnesium Molybdenum Zinc	0.081 Z@ 0.023 Z@ 0.036 @ 0.015 @ 0.0034 @	(0.035) (0.009) (0.03) (0.008) (0.003)				
MW-163	7060	NS	01/27/93	02/03/93	AAZ1_302031601	Arsenic	ND	(0.004)		0.050 MCL		
EB-163	7060	EB	01/27/93	02/03/93	AAZ1_302031601	Arsenic	ND	(0.004)		0.050 MCL		

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-163	7421	NS	01/27/93	02/03/93	AAZ2_302031801	Lead	0.0091 @	(0.003)	0	0.050 MCL	
EEB-163	7421	EB	01/27/93	02/03/93	AAZ2_302031801	Lead	0.0039 @	(0.003)		0.050 MCL	
MW-163	7470	NS	01/27/93	01/29/93	AAZ4_301291701	Mercury	ND	(0.0002)		0.0020 MCL	
EEB-163	7470	EB	01/27/93	01/29/93	AAZ4_301291701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-163	7740	NS	01/27/93	02/09/93	AAZ3_302091301	Selenium	ND	(0.002)	S	0.010 MCL	
EEB-163	7740	EB	01/27/93	02/09/93	AAZ3_302091301	Selenium	ND	(0.002)	S	0.010 MCL	
MW-169	8010	NS	01/19/93	01/28/93	GCTEX1301271601	Tetrachloroethene Trichloroethene	0.25 C@ 7.3 C	(0.1) (0.2)		5.0 MCL 5.0 MCL	TB-2
EEB-169	8010	EB	01/19/93	01/28/93	GCTEX1301271601	No Analytes Detected	ND				
MW-169	8020	NS	01/19/93	01/22/93	GCKAY1301212301	No Analytes Detected	ND				
MW-176	8010	NS	01/11/93	01/17/93	GCPEA1301171201	No Analytes Detected	ND				
MW-177	8010	NS	01/19/93	01/28/93	GCTEX1301271601	No Analytes Detected	ND				TB-2
MW-177	8020	NS	01/19/93	01/22/93	GCKAY1301212301	No Analytes Detected	ND				
M1Q9311	8020	FD	01/19/93	01/22/93	GCKAY1301212301	No Analytes Detected	ND				
MW-181	8010	NS	01/28/93	02/06/93	GCTEX1302061101	Trichloroethene	0.63 C@	(0.2)		5.0 MCL	TB-4
EEB-181	8010	EB	01/28/93	02/06/93	GCTEX1302061101	No Analytes Detected	ND				
MW-181	8020	NS	01/28/93	02/09/93	GCKAY1302090001	No Analytes Detected	ND				
EEB-181	8020	EB	01/28/93	02/09/93	GCKAY1302090001	No Analytes Detected	ND				
MW-181	6010	NS	01/28/93	02/04/93	EMJA61302042001	Aluminum Antimony Barium Calcium Chromium Copper Iron Lead Magnesium Manganese Nickel Sodium	0.20 @ 0.068 Z@ 0.076 17 0.28 0.011 Z@ 30 Z 0.060 @ 14 0.094 0.55 17	R	1.0 MCL 1.0 MCL 0.050 MCL 0.050 MCL		

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-181	6010	NS	01/28/93	02/04/93	EMJA61302042001	Vanadium Zinc	0.068 0.14	(0.008) (0.003)			
MW-181	7060	NS	01/28/93	02/03/93	AAZ1_302031601	Arsenic	0.0053 @	(0.004)		0.050 MCL	
MW-181	7421	NS	01/28/93	02/03/93	AAZ2_302031801	Lead	ND	(0.003)		0.050 MCL	
MW-181	7470	NS	01/28/93	02/01/93	AAZ3_302011702	Mercury	1.0	(0.0002)	H	0.0020 MCL	
MW-181	7740	NS	01/28/93	02/09/93	AAZ3_302091301	Selenium	ND	(0.002)	S	0.010 MCL	
MW-183	8010	NS	01/26/93	02/05/93	GCTEX1302050301	No Analytes Detected	ND				
AB-183	8010	AB	01/26/93	01/30/93	GCTDA1301291301	No Analytes Detected	ND				
MW-183	8020	NS	01/26/93	01/30/93	GCTDA2301291301	No Analytes Detected	ND				
AB-183	8020	AB	01/26/93	01/30/93	GCTDA2301291301	No Analytes Detected	ND				
MW-183	6010	NS	01/26/93	02/04/93	EMJA61302042001	Aluminum Antimony Barium Calcium Chromium Cobalt Copper Iron Magnesium Manganese Nickel Potassium Sodium Thallium Vanadium Zinc	0.83 0.091 Z@ 0.064 16 1.1 0.019 @ 0.038 Z 12 Z 9.7 0.15 0.44 8.2 @ 18 0.11 @ 0.041 0.40	(0.045) (0.035) (0.004) (0.05) (0.007) (0.007) (0.006) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.051) (0.008) (0.003)	R	1.0 MCL 1.0 MCL 0.050 MCL	
MW-183	7060	NS	01/26/93	02/03/93	AAZ1_302031601	Arsenic	0.0059 @	(0.004)		0.050 MCL	
MW-183	7421	NS	01/26/93	02/03/93	AAZ2_302031801	Lead	0.0079 @	(0.003)		0.050 MCL	
MW-183	7470	NS	01/26/93	01/29/93	AAZ4_301291701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-183	7740	NS	01/26/93	02/09/93	AAZ3_302090801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-188	8010	NS	01/19/93	01/28/93	GCTEX1301271601	Trichloroethene Trichlorofluoromethane	1.0 C 3.7 C	(0.2) (0.55)		5.0 MCL 150 AL	TB-2

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-200	8010	NS	01/15/93	01/27/93	GCIDA1301270201	1,2-Dichloroethane Chloroform Tetrachloroethene Trichloroethene cis-1,2-Dichloroethene	0.36 C@ 0.86 C 3.5 C 27 C 16 C	(0.15) (0.15) (0.1) (0.2) (0.25)		0.50 MCL 100 PMCL 5.0 MCL 5.0 MCL 6.0 MCL	TB-1
EB-200	8010	EB	01/15/93	01/25/93	GCIDA1301242301	No Analytes Detected	ND				
MW-200	8020	NS	01/15/93	01/21/93	GCKAY1301201701	No Analytes Detected	ND				TB-1
EB-200	8020	EB	01/15/93	01/21/93	GCKAY1301201701	No Analytes Detected	ND				
MW-200	6010	NS	01/15/93	01/28/93	EMJAE1301281701	Aluminum Barium Calcium Chromium Copper Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.11 @ 0.060 17 0.20 0.023 @ 0.71 11 0.0090 @ 0.021 @ 12 @ 22 0.035 @ 0.017	(0.045) (0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL <		

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC	
M109312	8010	FD	01/15/93	01/27/93	GC1DA1301270201	Trichloroethene cis-1,2-Dichloroethene	38 C 25 C	(0.2) (0.25)		5.0 MCL 6.0 MCL		
MW-217	8020	NS	01/15/93	01/21/93	GCKAV1301201701	No Analytes Detected	ND				TB-1	
MW-218	8010	NS	01/15/93	01/27/93	GC1DA1301270201	Trichloroethene cis-1,2-Dichloroethene	2.5 P 1.5 P	(0.2) (0.25)		5.0 MCL 6.0 MCL	TB-1	
MW-218	8020	NS	01/18/93	01/21/93	GCKAV1301201701	No Analytes Detected	ND					
MW-218	6010	NS	01/15/93	01/28/93	EMJA61301281701	Aluminum Antimony Barium Calcium Chromium Iron Lead Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.048 @ 0.055 @ 0.054 14 0.55 1.4 0.055 @ 11 0.021 0.066 @ 4.5 @ 17 0.032 @ 0.018	(0.045) (0.035) (0.004) (0.05) (0.007) (0.009) (0.042) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL 0.050 MCL		
EB-218	6010	EB	01/15/93	01/28/93	EMJA61301281701	Iron Magnesium	0.062 0.031 @	(0.009) (0.03)			0.050 MCL	
MW-218	7060	NS	01/15/93	01/25/93	AAZ4__301250801	Arsenic	ND	(0.004)			0.050 MCL	
EB-218	7060	EB	01/15/93	01/25/93	AAZ4__301250801	Arsenic	ND	(0.004)			0.050 MCL	
MW-218	7421	NS	01/15/93	01/22/93	AAZ2__301221501	Lead	ND	(0.003)			0.050 MCL	
EB-218	7421	EB	01/15/93	01/22/93	AAZ2__301221501	Lead	ND	(0.003)			0.050 MCL	
MW-218	7470	NS	01/15/93	01/21/93	AAZ4__301211901	Mercury	ND	(0.0002)			0.0020 MCL	
EB-218	7470	EB	01/15/93	01/21/93	AAZ4__301211901	Mercury	ND	(0.0002)			0.0020 MCL	
MW-218	7740	NS	01/15/93	01/25/93	AAZ3__301250801	Selenium	ND	(0.002)	S		0.010 MCL	
EB-218	7740	EB	01/15/93	01/25/93	AAZ3__301250801	Selenium	ND	(0.002)	S		0.010 MCL	
MW-219	8010	NS	01/15/93	01/27/93	GC1DA1301270201	Trichloroethene cis-1,2-Dichloroethene	5.5 P 1.5 P	(0.2) (0.25)		5.0 MCL 6.0 MCL	TB-1	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EB-219	8010	EB	01/15/93	01/25/93	GCIDA1301242301	No Analytes Detected	ND				
MW-219	8020	NS	01/15/93	01/21/93	GCKAY1301201701	No Analytes Detected	ND				TB-1
EB-219	8020	EB	01/15/93	01/21/93	GCKAY1301201701	No Analytes Detected	ND				
MW-219	6010	NS	01/15/93	01/28/93	EMJA61301281701	Aluminum Arsenic Barium Calcium Chromium Iron Lead Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.085 @ 0.069 Z@ 0.046 14 0.12 0.71 0.050 @ 11 0.013 0.13 12 @ 21 0.022 @ 0.015	(0.045) (0.053) (0.004) (0.05) (0.007) (0.009) (0.042) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)	R	1.0 MCL 0.050 MCL 1.0 MCL 0.050 MCL 0.050 MCL	
MW-219	7060	NS	01/15/93	01/25/93	AAZ4_301250801	Arsenic	ND	(0.004)		0.050 MCL	
MW-219	7421	NS	01/15/93	01/22/93	AAZ2_301221501	Lead	ND	(0.003)		0.050 MCL	
MW-219	7470	NS	01/15/93	01/21/93	AAZ4_301211901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-219	7740	NS	01/15/93	01/25/93	AAZ3_301250801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-236	8010	NS	01/15/93	01/25/93	GCIDA1301242301	Tetrachloroethene Trichloroethene	72 P 1100 P	(5) (10)		5.0 MCL 5.0 MCL	TB-1
MW-236	8020	NS	01/15/93	01/21/93	GCKAY1301201701	No Analytes Detected	ND				TB-1
MW-236	6010	NS	01/15/93	01/28/93	EMJA61301281701	Aluminum Barium Calcium Chromium Copper Iron Lead Magnesium Manganese Nickel Sodium Thallium Vanadium	0.16 @ 0.047 16 0.54 0.018 @ 2.4 0.055 @ 11 0.027 0.046 @ 16 0.057 @ 0.037 @	(0.045) (0.004) (0.05) (0.007) (0.006) (0.009) (0.042) (0.03) (0.002) (0.016) (0.15) (0.051) (0.008)		1.0 MCL 1.0 MCL 0.050 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-236	6010	NS	01/15/93	01/28/93	EMJA61301281701	Zinc	0.028	(0.003)			
MW-236	7060	NS	01/15/93	01/25/93	AAZ4__301250801	Arsenic	0.0045 @	(0.004)		0.050 MCL	
MW-236	7421	NS	01/15/93	01/22/93	AAZ2__301221501	Lead	0.0031 @	(0.003)		0.050 MCL	
MW-236	7470	NS	01/15/93	01/21/93	AAZ4__301211901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-236	7740	NS	01/15/93	01/25/93	AAZ3__301250801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1000	8010	NS	01/14/93	01/20/93	GCIDA1301200201	No Analytes Detected	ND				
MW-1000	8020	NS	01/14/93	01/20/93	GCIDA2301200201	No Analytes Detected	ND				
MW-1000	6010	NS	01/14/93	01/19/93	EMJA61301191001	Aluminum Barium Calcium Chromium Copper Iron Magnesium Manganese Molybdenum Nickel Sodium Thallium Vanadium Zinc	0.13 @ 0.051 14 1.8 0.014 @ 5.2 10 0.060 0.021 @ 0.16 15 0.076 Z@ 0.039 @ 0.011 @	{(0.045) {(0.004) {(0.05) {(0.007) {(0.006) {(0.009) {(0.03) {(0.002) {(0.008) {(0.016) {(0.15) {(0.051) {(0.008) {(0.003)	PF 1.0 MCL 1.0 MCL 0.050 MCL		
M1Q9313	6010	FD	01/14/93	01/19/93	EMJA61301191001	Aluminum Barium Calcium Chromium Copper Iron Magnesium Manganese Molybdenum Nickel Sodium Thallium Vanadium Zinc	0.19 @ 0.058 15 1.8 0.015 @ 5.6 11 0.074 0.023 @ 0.14 15 0.042 0.011 @	{(0.045) {(0.004) {(0.05) {(0.007) {(0.006) {(0.009) {(0.03) {(0.002) {(0.008) {(0.016) {(0.15) {(0.008) {(0.003)	1.0 MCL 1.0 MCL 0.050 MCL		
MW-1000	7060	NS	01/14/93	01/19/93	AAZ3__301190802	Arsenic	0.0061 @	(0.004)		0.050 MCL	
M1Q9313	7060	FD	01/14/93	01/19/93	AAZ3__301190802	Arsenic	0.0061 @	(0.004)		0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1000	7421	NS	01/14/93	01/18/93	AAZ1_301181801	Lead	0.0084 @	(0.003)		0.050 MCL	
M109313	7421	FD	01/14/93	01/18/93	AAZ1_301181801	Lead	0.0096 @	(0.003)		0.050 MCL	
MW-1000	7470	NS	01/14/93	01/18/93	AAZ4_301181601	Mercury	ND	(0.0002)		0.0020 MCL	
M109313	7470	FD	01/14/93	01/18/93	AAZ4_301181601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1000	7740	NS	01/14/93	01/19/93	AAZ4_301191201	Selenium	ND	(0.002)	S	0.010 MCL	
M109313	7740	FD	01/14/93	01/19/93	AAZ4_301191201	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1010	8010	NS	01/19/93	01/28/93	GCTEX1301271601	No Analytes Detected	ND				TB-2
MW-1010	8020	NS	01/19/93	01/22/93	GCKAY1301212301	No Analytes Detected	ND				
MW-1010	6010	NS	01/19/93	01/28/93	EMJA61301281701	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.066 @ 0.050 16 0.015 @ 0.086 8.4 0.020 0.039 @ 19 0.029 @ 0.094	{0.045} {0.004} {0.05} {0.007} {0.009} {0.03} {0.002} {0.016} {0.15} {0.008} {0.003}	1.0 MCL 1.0 MCL 0.050 MCL		
M109314	6010	FD	01/19/93	01/28/93	EMJA61301281701	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.061 @ 0.050 16 0.017 @ 0.11 8.3 0.022 0.049 @ 19 0.027 @ 0.10	{0.045} {0.004} {0.05} {0.007} {0.009} {0.03} {0.002} {0.016} {0.15} {0.008} {0.003}	1.0 MCL 1.0 MCL 0.050 MCL		
MW-1010	7060	NS	01/19/93	01/25/93	AAZ4_301250801	Arsenic	ND	(0.004)		0.050 MCL	
M109314	7060	FD	01/19/93	01/25/93	AAZ4_301250801	Arsenic	ND	(0.004)		0.050 MCL	
MW-1010	7421	NS	01/19/93	01/22/93	AAZ2_301221501	Lead	ND	(0.003)		0.050 MCL	
M109314	7421	FD	01/19/93	01/22/93	AAZ2_301221501	Lead	ND	(0.003)		0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1010	7470	NS	01/19/93	01/21/93	AAZ4_301211901	Mercury	ND	(0.0002)		0.0020 MCL	
M109314	7470	FD	01/19/93	01/21/93	AAZ4_301211901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1010	7740	NS	01/19/93	01/25/93	AAZ3_301250801	Selenium	ND	(0.002)	S	0.010 MCL	
M109314	7740	FD	01/19/93	01/25/93	AAZ3_301250801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1019	8010	NS	01/18/93	01/28/93	GCTEX1301271601	Trichloroethene	0.54 P@	(0.2)		5.0 MCL	
MW-1020	8010	NS	01/08/93	01/15/93	GC10A1301151501	No Analytes Detected	ND				
MW-1020	8020	NS	01/08/93	01/15/93	GC10A2301151501	No Analytes Detected	ND				
MW-1020	6010	NS	01/08/93	01/21/93	EMJA61301211301	Antimony Barium Calcium Chromium Copper Iron Magnesium Manganese Nickel Sodium Vanadium	0.036 Z@ 0.040 15 0.017 @ 0.0060 @ 0.16 10 0.0079 @ 0.13 15 0.028 @	(0.035) (0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008)	R	1.0 MCL 0.050 MCL	
MW-1020	7060	NS	01/08/93	01/13/93	AAZ2_301131501	Arsenic	0.0049 @	(0.004)		0.050 MCL	
MW-1020	7421	NS	01/08/93	01/20/93	AAZ1_301201402	Lead	ND	(0.003)		0.050 MCL	
MW-1020	7470	NS	01/08/93	01/12/93	AAZ4_301121601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1020	7740	NS	01/08/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1021	8010	NS	01/21/93	01/28/93	GC10A1301281101	Trichloroethene	3.3 P	(0.2)		5.0 MCL	
MW-1021	8020	NS	01/21/93	01/30/93	GCTEX2301301401	No Analytes Detected	ND				
MW-1021	6010	NS	01/21/93	02/09/93	EMJA61302091301	Aluminum Antimony Barium Cadmium Calcium Chromium Cobalt Copper	3.7 0.054 @ 0.10 0.0058 @ 24 1.5 0.0082 @ 0.035	(0.045) (0.035) (0.004) (0.004) (0.05) (0.007) (0.007) (0.006)		1.0 MCL 1.0 MCL 0.010 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1021	6010	NS	01/21/93	02/09/93	EMJA61302091301	Iron	12 Z	(0.009)			
						Magnesium	14	(0.03)			
						Manganese	0.18 Z	(0.002)			
						Molybdenum	0.018 @	(0.008)			
						Nickel	0.21	(0.016)			
						Potassium	3.7 @	(3)			
						Sodium	36	(0.15)			
						Vanadium	0.041	(0.008)			
						Zinc	0.032 Z	(0.003)			
MW-1021	7060	NS	01/21/93	01/28/93	AAZ3_301281801	Arsenic	0.0053 @	(0.004)		0.050 MCL	
MW-1021	7421	NS	01/21/93	01/28/93	AAZ4_301280801	Lead	0.0062 @	(0.003)		0.050 MCL	
MW-1021	7470	NS	01/21/93	01/25/93	AAZ4_301251601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1021	7740	NS	01/21/93	01/29/93	AAZ3_301290901	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1022	8010	NS	01/21/93	01/29/93	GCIDA1301281101	Trichloroethene	8.5 P	(0.2)		5.0 MCL	
MW-1022	8020	NS	01/21/93	02/02/93	GC1EX2302011101	No Analytes Detected	ND				
MW-1024	8010	NS	01/18/93	01/28/93	GC1EX1301271601	No Analytes Detected	ND				
MW-1024	8020	NS	01/18/93	01/21/93	GCKAY1301201701	No Analytes Detected	ND				
MW-1025	8010	NS	01/13/93	01/23/93	GCIDA1301221701	No Analytes Detected	ND				
MW-1026	8010	NS	01/21/93	01/29/93	GCIDA1301281101	Trichloroethene	0.34 P@	(0.2)		5.0 MCL	
MW-1026	8020	NS	01/21/93	01/30/93	GC1EX2301301401	No Analytes Detected	ND				
MW-1026	6010	NS	01/21/93	02/09/93	EMJA61302091301	Aluminum	17	(0.045)		1.0 MCL	
						Barium	0.18	(0.004)		1.0 MCL	
						Calcium	35	(0.05)			
						Chromium	20	(0.007)		0.050 MCL	
						Cobalt	0.026 @	(0.007)			
						Copper	0.053	(0.006)			
						Iron	36 Z	(0.009)			
						Magnesium	26	(0.03)			
						Manganese	0.58 Z	(0.002)			
						Molybdenum	0.032 @	(0.008)			
						Nickel	0.94	(0.016)			
						Potassium	3.7 @	(3)			
						Selenium	0.10 Z@	(0.075)	R	0.010 MCL	
						Sodium	25	(0.15)			
						Vanadium	0.084	(0.008)			

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1026	6010	NS	01/21/93	02/09/93	EMJA61302091301	Zinc	0.075 Z	(0.003)			
MW-1026	7060	NS	01/21/93	01/28/93	AAZ3_301281801	Arsenic	0.0073 @	(0.004)		0.050 MCL	
MW-1026	7421	NS	01/21/93	01/28/93	AAZ4_301280801	Lead	0.010 @	(0.003)		0.050 MCL	
MW-1026	7470	NS	01/21/93	01/25/93	AAZ4_301251601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1026	7740	NS	01/21/93	01/29/93	AAZ3_301290901	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1027	8010	NS	01/21/93	01/29/93	GCIDA1301281101	No Analytes Detected	ND				
MW-1027	8020	NS	01/21/93	01/31/93	GC1EX2301301401	No Analytes Detected	ND				
MW-1027	6010	NS	01/21/93	02/09/93	EMJA61302091301	Aluminum Antimony Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.076 @ 0.051 @ 0.037 11 0.045 0.61 Z 7.8 0.025 Z 0.050 @ 17 0.032 @ 0.022 Z	(0.045) (0.035) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	
MW-1027	7060	NS	01/21/93	01/28/93	AAZ3_301281801	Arsenic	0.0046 @	(0.004)		0.050 MCL	
MW-1027	7421	NS	01/21/93	01/28/93	AAZ4_301280801	Lead	ND	(0.003)		0.050 MCL	
MW-1027	7470	NS	01/21/93	01/25/93	AAZ4_301251601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1027	7740	NS	01/21/93	01/29/93	AAZ3_301290901	Selenium	Nf	(0.002)	S	0.010 MCL	
MW-1028	8010	NS	01/21/93	01/29/93	GCIDA1301281101	No Analytes Detected	ND				
MW-1028	8020	NS	01/21/93	01/31/93	GC1EX2301301401	No Analytes Detected	ND				
MW-1028	6010	NS	01/21/93	02/09/93	EMJA61302091301	Barium Calcium Chromium Iron Magnesium Sodium Vanadium	0.056 14 0.022 @ 0.065 Z 9.7 19 0.029 @	(0.004) (0.05) (0.007) (0.009) (0.03) (0.15) (0.008)		1.0 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Met.	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1028	7060	NS	01/21/93	01/28/93	AAZ3_301281801	Arsenic	ND	(0.004)		0.050 MCL	
MW-1028	7421	NS	01/21/93	01/28/93	AAZ4_301280801	Lead	ND	(0.003)		0.050 MCL	
MW-1028	7470	NS	01/21/93	01/25/93	AAZ4_301251601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1028	7740	NS	01/21/93	01/29/93	AAZ3_301290901	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1037	8010	NS	01/20/93	01/27/93	GCIDA1301270201	No Analytes Detected	ND				TB-3
MW-1037	8020	NS	01/20/93	01/27/93	GCIDA2301270201	No Analytes Detected	ND				TB-3
MW-1037	6010	NS	01/20/93	01/28/93	EMJAG1301281701	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.10 @ 0.068 28 0.018 @ 0.26 12 0.0082 @ 0.043 @ 20 0.0099 @ 0.0046 @	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	
MW-1037	7060	NS	01/20/93	01/25/93	AAZ4_301250801	Arsenic	ND	(0.004)		0.050 MCL	
MW-1037	7421	NS	01/20/93	01/22/93	AAZ2_301221501	Lead	ND	(0.003)		0.050 MCL	
MW-1037	7470	NS	01/20/93	01/25/93	AAZ4_301251601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1037	7740	NS	01/20/93	01/25/93	AAZ3_301250801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1038	8010	NS	01/20/93	01/28/93	GCIDA1301281101	No Analytes Detected	ND				TB-3
MW-1039	8010	NS	01/20/93	01/28/93	GCIDA1301281101	No Analytes Detected	ND				TB-3
MW-1041	8010	NS	01/11/93	01/17/93	GCIDA1301171001	No Analytes Detected	ND				
MW-1041	8020	NS	01/11/93	01/17/93	GCIDA2301171001	No Analytes Detected	ND				
MW-1042	8010	NS	01/11/93	01/18/93	GCIDA1301171001	No Analytes Detected	ND				
MW-1042	8020	NS	01/11/93	01/18/93	GCIDA2301171001	No Analytes Detected	ND				
MW-1042	6010	NS	01/11/93	01/21/93	EMJAG1301211301	Aluminum Antimony Barium	0.086 @ 0.062 Z@ 0.064	(0.045) (0.035) (0.004)	R	1.0 MCL 1.0 MCL	

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1042	6010	NS	01/11/93	01/21/93	EMJA61301211301	Calcium	13	(0.05)			
						Chromium	0.015 @	(0.007)			
						Copper	0.0066 @	(0.006)			0.050 MCL
						Iron	0.13	(0.009)			
						Magnesium	7.6	(0.03)			
						Manganese	0.011	(0.002)			
						Nickel	0.022 @	(0.016)			
						Sodium	16	(0.15)			
						Vanadium	0.025 @	(0.008)			
MW-1042	7060	NS	01/11/93	01/13/93	AAZ2_301131501	Arsenic	0.0047 @	(0.004)			0.050 MCL
MW-1042	7421	NS	01/11/93	01/20/93	AAZ1_301201402	Lead	ND	(0.003)			0.050 MCL
MW-1042	7470	NS	01/11/93	01/13/93	AAZ4_301131801	Mercury	ND	(0.0002)			0.0020 MCL
MW-1042	7740	NS	01/11/93	01/18/93	AAZ3_301181701	Selenium	ND	(0.002)	S		0.010 MCL
MW-1043	8010	NS	01/11/93	01/18/93	GC1DA1301171001	No Analytes Detected	ND				
MW-1043	8020	NS	01/11/93	01/18/93	GC1DA2301171001	No Analytes Detected	ND				
MW-1044	8010	NS	01/26/93	02/03/93	GC1DA1302021501	Chloroform Trichloroethene cis-1,2-Dichloroethene	5.4 P 3.6 P 1.3 P	(0.15) (0.2) (0.25)			100 PMCL 5.0 MCL 6.0 MCL
MW-1044	6010	NS	01/26/93	02/04/93	EMJA61302042001	Aluminum	8.8	(0.045)	PF		1.0 MCL
						Antimony	0.11 Z@	(0.035)	PF		
						Barium	0.11	(0.004)	PF		1.0 MCL
						Cadmium	0.012 @	(0.004)			0.010 MCL
						Calcium	26	(0.05)			
						Chromium	11	(0.007)	PF		0.050 MCL
						Cobalt	0.089	(0.007)	PF		
						Copper	0.14 Z	(0.006)	PF		
						Iron	77 Z	(0.009)	PF		
						Lead	0.048 @	(0.042)			0.050 MCL
						Magnesium	15	(0.03)			
						Manganese	1.1	(0.002)	PF		
						Molybdenum	0.026 @	(0.008)	PF		
						Nickel	5.0	(0.016)	PF		
						Potassium	4.5 @	(3)			
						Sodium	17	(0.15)			
						Thallium	0.10 @	(0.051)			
						Vanadium	0.16	(0.008)			
						Zinc	2.1	(0.003)	PF		
M109315	6010	F0	01/26/93	02/04/93	EMJA61302042001	Aluminum	2.0	(0.045)			1.0 MCL

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
M1Q9315	6010	FD	01/26/93	02/04/93	EMJAE1302042001	Antimony	0.065 Z @	(0.035)			
					Arsenic	0.070 @	(0.053)			0.050 MCL	
					Barium	0.050	(0.004)			1.0 MCL	
					Calcium	25	(0.05)				
					Chromium	0.83	(0.007)				
					Cobalt	0.0079 @	(0.007)			0.050 MCL	
					Copper	0.039 Z	(0.006)				
					Iron	8.7 Z	(0.009)				
					Magnesium	12	(0.03)				
					Manganese	0.14	(0.002)				
					Molybdenum	0.012 @	(0.008)				
					Nickel	0.23	(0.016)				
					Potassium	4.3 @	(3)				
					Sodium	17	(0.15)				
					Vanadium	0.039 @	(0.008)				
					Zinc	2.0	(0.003)				
MW-1044	7060	NS	01/26/93	02/03/93	AAZ1_302031601	Arsenic	0.017 @	(0.004)	PF	0.050 MCL	
M1Q9315	7060	FD	01/26/93	02/03/93	AAZ1_302031601	Arsenic	0.0047 @	(0.004)		0.050 MCL	
MW-1044	7421	NS	01/26/93	02/03/93	AAZ2_302031801	Lead	0.013 @	(0.003)		0.050 MCL	
M1Q9315	7421	FD	01/26/93	02/03/93	AAZ2_302031801	Lead	0.012 @	(0.003)		0.050 MCL	
MW-1044	7470	NS	01/26/93	01/29/93	AAZ4_301291701	Mercury	ND	(0.0002)		0.0020 MCL	
M1Q9315	7470	FD	01/26/93	01/29/93	AAZ4_301291701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1044	7740	NS	01/26/93	02/09/93	AAZ3_302090801	Selenium	0.0044 S @	(0.002)	S	0.010 MCL	
M1Q9315	7740	FD	01/26/93	02/09/93	AAZ3_302090801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1045	8010	NS	01/11/93	01/18/93	GC1DA1301171001	Trichloroethene	10 P	(0.2)		5.0 MCL	
					cis-1,2-Dichloroethene	3.2 P	(0.25)			6.0 MCL	
M1Q9316	8010	FD	01/11/93	01/18/93	GC1DA1301211101	1,1,1,2-Tetrachloroethane	ND	(2.5)	G		
					1,1,1-Trichloroethane	ND	(0.55)	G		200 MCL	
					1,1,2,2-Tetrachloroethane	ND	(0.3)	G		1.0 MCL	
					1,1,2-Trichloroethane	ND	(0.2)	G		32 MCL	
					1,1-Dichloroethane	ND	(0.5)	G		5.0 MCL	
					1,1-Dichloroethene	ND	(0.7)	G		6.0 MCL	
					1,2,3-Trichloropropane	ND	(1.6)	G			
					1,2-Dichlorobenzene	ND	(0.25)	G		130 AL	
					1,2-Dichloroethane	ND	(0.15)	G		0.50 MCL	
					1,2-Dichloropropane	ND	(0.15)	G		5.0 PMCL	
					1,3-Dichlorobenzene	ND	(0.32)	G		130 AL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
M109316	8010	FD	01/11/93	01/18/93	GCIDA1301211101	1,4-Dichlorobenzene	ND	(0.25)	G	5.0 MCL	
						1-Chlorohexane	ND	(3.4)	G		
						2-Chloroethylvinylether	ND	(0.6)	G		
						Bromobenzene	ND	(1.6)	G		
						Bromodichloromethane	ND	(0.1)	G	100 PMCL	
						Bromoform	ND	(0.5)	G	100 PMCL	
						Bromomethane	ND	(0.35)	G		
						Carbon Tetrachloride	ND	(0.35)	G	0.50 MCL	
						Chlorobenzene	ND	(0.3)	G	30 AL	
						Chloroethane	ND	(0.7)	G		
						Chloroform	ND	(0.15)	G	100 PMCL	
						Chloromethane	ND	(0.5)	G	100 PMCL	
						Dibromochloromethane	ND	(0.2)	G		
						Dibromomethane	ND	(1.6)	G		
						Methylene Chloride	ND	(0.4)	G		
						Tetrachloroethene	ND	(0.1)	G	5.0 MCL	
						Trans-1,3-Dichloropropene	ND	(0.15)	G		
						Trichloroethene	11 C	(0.2)	G	5.0 MCL	
						Trichlorofluoromethane	ND	(0.55)	G	150 AL	
						Vinyl Chloride	ND	(0.25)	G	0.50 MCL	
						cis-1,2-Dichloroethene	3.1 G	(0.25)	G	6.0 MCL	
						cis-1,3-Dichloropropene	ND	(0.2)	G		
						trans-1,2-Dichloroethene	ND	(0.25)	G		
MW-1045	8020	NS	01/11/93	01/18/93	GCIDA2301171001	No Analytes Detected	ND				
MW-1046	8010	NS	01/11/93	01/18/93	GCIDA1301171001	Trichloroethene	1.7 P	(0.2)		5.0 MCL	
EB-1046	8010	EB	01/11/93	01/16/93	GCIDA1301151501	No Analytes Detected	ND				
MW-1046	8020	NS	01/11/93	01/18/93	GCIDA2301171001	No Analytes Detected	ND				
EB-1046	8020	EB	01/11/93	01/16/93	GCIDA2301151501	No Analytes Detected	ND				
MW-1047	8010	NS	01/11/93	01/19/93	GCIDA1301181701	No Analytes Detected	ND				
MW-1049	8010	NS	01/22/93	02/03/93	GCIDA1302021501	Trichloroethene	7.9 P	(0.2)		5.0 MCL	
						cis-1,2-Dichloroethene	2.6 P	(0.25)		6.0 MCL	
M109317	8010	FD	01/22/93	02/02/93	GCIDA1302011501	Trichloroethene	6.7 C	(0.2)		5.0 MCL	
						cis-1,2-Dichloroethene	2.3 C	(0.25)		6.0 MCL	
MW-1049	8020	NS	01/22/93	01/31/93	GCTEX2301301401	No Analytes Detected	ND				
MW-1049	6010	NS	01/22/93	02/09/93	EMJAE1302091301	Antimony Barium Calcium	0.044 @ 0.047 17	(0.035) (0.004) (0.05)		1.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1049	6010	NS	01/22/93	02/09/93	ENJA61302091301	Chromium Iron Magnesium Manganese Molybdenum Nickel Potassium Sodium Vanadium Zinc	0.058 0.22 Z 13 0.010 Z 0.0095 @ 0.37 3.5 @ 17 0.020 @ 0.014 Z@	(0.007) (0.009) (0.03) (0.002) (0.008) (0.016) (3) (0.15) (0.008) (0.003)		0.050 MCL	
MW-1049	7060	NS	01/22/93	01/28/93	AAZ3_301281801	Arsenic	ND	(0.004)		0.050 MCL	
MW-1049	7421	NS	01/22/93	01/28/93	AAZ4_301280801	Lead	ND	(0.003)		0.050 MCL	
MW-1049	7470	NS	01/22/93	01/27/93	AAZ4_301271601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1049	7740	NS	01/22/93	01/29/93	AAZ3_301290901	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1050	8010	NS	01/22/93	02/03/93	GCIDA1302021501	Trichloroethene cis-1,2-Dichloroethene	2.6 P 0.47 P@	(0.2) (0.25)		5.0 MCL 6.0 MCL	
EB-1050	8010	EB	01/22/93	02/02/93	GCIDA1302011501	No Analytes Detected	ND				
MW-1050	8020	NS	01/22/93	01/31/93	GCTEX2301301401	No Analytes Detected	ND				
EB-1050	8020	EB	01/22/93	02/02/93	GCTEX2302011101	No Analytes Detected	ND				
MW-1051	8010	NS	01/22/93	02/03/93	GCIDA1302021501	No Analytes Detected	ND				
MW-1052	8010	NS	01/22/93	02/03/93	GCIDA1302021501	No Analytes Detected	ND				
MW-1053	8010	NS	01/25/93	01/29/93	GCTEX1301282001	Trichloroethene	0.23 P@	(0.2)		5.0 MCL	
MW-1058	8010	NS	01/25/93	01/29/93	GCTEX1301282001	Trichloroethene	0.26 P@	(0.2)		5.0 MCL	
MW-1059	8010	NS	01/25/93	01/29/93	GCTEX1301282001	No Analytes Detected	ND				
MW-1060	8010	NS	01/25/93	01/29/93	GCTEX1301282001	No Analytes Detected	ND				
MW-1063	8010	NS	01/26/93	01/30/93	GCIDA1301291301	No Analytes Detected	ND				
MW-1063	8020	NS	01/26/93	01/30/93	GCIDA2301291301	No Analytes Detected	ND				
MW-1064	8010	NS	01/20/93	01/27/93	GCIDA1301270201	No Analytes Detected	ND				TB-3
EB-1064	8010	EB	01/20/93	01/28/93	GCIDA1301281101	No Analytes Detected	ND				

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1064	8020	NS	01/20/93	01/27/93	GCIDA2301270201	No Analytes Detected	ND				TB-3
MW-1064	6010	NS	01/20/93	01/28/93	EMJA61301281701	Aluminum Barium Calcium Chromium Cobalt Copper Iron Magnesium Manganese Molybdenum Nickel Sodium Vanadium Zinc	0.17 @ 0.011 @ 14 1.3 0.011 @ 0.042 5.9 9.3 0.14 0.0086 @ 0.27 18 0.041 0.052	(0.045) (0.004) (0.05) (0.007) (0.007) (0.006) (0.009) (0.03) (0.002) (0.008) (0.016) (0.15) (0.008) (0.003)	M	1.0 MCL 1.0 MCL 0.050 MCL	
MW 1064	7060	NS	01/20/93	01/25/93	AAZ4_301250801	Arsenic	0.0060 @	(0.004)		0.050 MCL	
MW-1064	7421	NS	01/20/93	01/22/93	AAZ2_301221501	Lead	ND	(0.003)		0.050 MCL	
MW-1064	7470	NS	01/20/93	01/25/93	AAZ4_301251601	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1064	7740	NS	01/20/93	01/25/93	AAZ3_301250801	Selenium	ND	(0.002)	S	0.010 MCL	
MW-1065	8010	NS	01/20/93	01/27/93	GCIDA1301270201	Tetrachloroethene cis-1,2-Dichloroethene	1.6 P 0.65 P@	(0.1) (0.25)		5.0 MCL 6.0 MCL	TB-3
MW-1065	8020	NS	01/20/93	01/27/93	GCIDA2301270201	No Analytes Detected	ND				TB-3
M109320	8020	FD	01/20/93	01/31/93	GCTEX2301301401	No Analytes Detected	ND				TB-3
MW-1065	6010	NS	01/20/93	01/28/93	EMJA61301281701	Aluminum Barium Calcium Chromium Cobalt Copper Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.34 0.042 21 0.37 0.010 @ 0.018 @ 3.7 13 0.12 1.1 11 @ 21 0.024 @ 0.060	(0.045) (0.004) (0.05) (0.007) (0.007) (0.006) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1065	7060	NS	01/20/93	01/25/93	AAZ4__301250801	Arsenic	ND	{ 0.004}		0.050 MCL	
MW-1065	7421	NS	01/20/93	01/22/93	AAZ2__301221501	Lead	0.0078 @	{ 0.003}		0.050 MCL	
MW-1065	7470	NS	01/20/93	01/25/93	AAZ4__301251601	Mercury	ND	{ 0.0002}		0.0020 MCL	
MW-1065	7740	NS	01/20/93	01/25/93	AAZ3__301250801	Selenium	ND	{ 0.002}	S	0.010 MCL	
MW-1066	8010	NS	01/20/93	01/27/93	GC1DA1301270201	Tetrachloroethene cis-1,2-Dichloroethene	1.5 C 0.59 C@	{ 0.1} { 0.25}		5.0 MCL 6.0 MCL	TB-3
MW-1066	8020	NS	01/20/93	01/27/93	GC1DA2301270201	No Analytes Detected	ND				TB-3
MW-1067	8010	NS	01/20/93	01/28/93	GC1DA1301281101	Carbon Tetrachloride Trichloroethene	1.8 P 0.48 P@	{ 0.35} { 0.2}		0.50 MCL 5.0 MCL	TB-3
MW-1067	8020	NS	01/20/93	01/31/93	GC1EX2301301401	No Analytes Detected	ND				TB-3
MW-1068	8010	NS	01/20/93	01/27/93	GC1DA1301270201	Trichloroethene	1.5 C	{ 0.2}		5.0 MCL	TB-3
MW-1068	8020	NS	01/20/93	01/27/93	GC1DA2301270201	No Analytes Detected	ND				TB-3
MW-1069	8010	NS	01/22/93	02/03/93	GC1DA1302021501	Trichloroethene	1.3 P	{ 0.2}		5.0 MCL	
OW-654	8010	NS	01/29/93	02/07/93	GC1EX1302061101	No Analytes Detected	ND				
OW-654	8020	NS	01/29/93	02/09/93	GCKAY1302090001	No Analytes Detected	ND				
OW-654	6010	NS	01/29/93	02/04/93	EMJA61302042001	Antimony Arsenic Barium Calcium Chromium Copper Iron Magnesium Sodium Vanadium Zinc	0.070 Z@ 0.096 @ 0.051 13 0.016 @ 0.0082 Z@ 0.042 Z@ 9.5 14 0.032 @ 0.059	{ 0.035} { 0.053} { 0.004} { 0.05} { 0.007} { 0.006} { 0.009} { 0.03} { 0.15} { 0.008} { 0.003}	0.050 MCL 1.0 MCL 0.050 MCL		
OW-654	7060	NS	01/29/93	02/03/93	AAZ1__302031601	Arsenic	ND	{ 0.004}		0.050 MCL	
OW-654	7421	NS	01/29/93	02/03/93	AAZ2__302031801	Lead	ND	{ 0.003}		0.050 MCL	
OW-654	7470	NS	01/29/93	02/03/93	AAZ4__302032001	Mercury	ND	{ 0.0002}		0.0020 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
OW-654	7740	NS	01/29/93	02/09/93	AAZ3__302090801	Selenium	ND	(0.002)		0.010 MCL	
OW-994	8010	NS	01/29/93	02/07/93	GCTEX1302061101	No Analytes Detected	ND				
OW-994	8020	NS	01/29/93	02/09/93	GCKAY1302090001	No Analytes Detected	ND				
OW-994	6010	NS	01/29/93	02/04/93	EMJA61302042001	Barium Calcium Chromium Copper Iron Magnesium Sodium Thallium Vanadium Zinc	0.047 12 0.014 @ 0.0092 Z@ 0.027 Z@ 8.8 13 0.086 @ 3.029 @ 0.054	(0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.15) (0.051) (0.008) (0.003)	1.0 MCL 0.050 MCL		
OW-994	7060	NS	01/29/93	02/03/93	AAZ1__302031601	Arsenic	ND	(0.004)		0.050 MCL	
OW-994	7421	NS	01/29/93	02/03/93	AAZ2__302031801	Lead	ND	(0.003)		0.050 MCL	
OW-994	7470	NS	01/29/93	02/03/93	AAZ4__302032001	Mercury	ND	(0.0002)		0.0020 MCL	
OW-994	7740	NS	01/29/93	02/09/93	AAZ3__302090801	Selenium	ND	(0.002)		0.010 MCL	
OW-998	8010	NS	01/29/93	02/07/93	GCTEX1302061101	No Analytes Detected	ND				
OW-998	8020	NS	01/29/93	02/09/93	GCKAY1302090001	No Analytes Detected	ND				
OW-998	6010	NS	01/29/93	02/04/93	EMJA61302042001	Antimony Barium Calcium Chromium Copper Iron Magnesium Sodium Thallium Vanadium Zinc	0.089 Z@ 0.048 11 0.020 @ 0.0079 Z@ 0.078 Z 8.2 15 0.089 @ 0.030 @ 0.16	(0.035) (0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.15) (0.051) (0.008) (0.003)	1.0 MCL 0.050 MCL		
OW-998	7060	NS	01/29/93	02/03/93	AAZ1__302031601	Arsenic	0.0040 @	(0.004)		0.050 MCL	
OW-998	7421	NS	01/29/93	02/03/93	AAZ2__302031801	Lead	0.0031 @	(0.003)		0.050 MCL	
OW-998	7470	NS	01/29/93	02/03/93	AAZ4__302032001	Mercury	ND	(0.0002)		0.0020 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
OW-998	7740	NS	01/29/93	02/09/93	AAZ3_02090801	Selenium	ND	(0.002)		0.010 MCL	
TB-1	8010	TB	01/15/93	01/23/93	GCIDA1301221701	No Analytes Detected	ND				
TB-1	8020	TB	01/15/93	01/21/93	GCKAV1301201701	No Analytes Detected	ND				
TB-2	8010	TB	01/19/93	01/28/93	GCTEX1301271601	No Analytes Detected	ND				
TB-3	8010	TB	01/20/93	01/28/93	GCIDA1301281101	No Analytes Detected	ND				
TB-3	8020	TB	01/20/93	01/31/93	GCTEX2301301401	No Analytes Detected	ND				
TB-4	8010	TB	01/28/93	02/06/93	GCTEX1302061101	No Analytes Detected	ND				
TB-5	8010	TB	01/29/93	02/06/93	GCTEX1302061101	No Analytes Detected	ND				

Footnotes and abbreviations are listed on the next page.

TABLE 4 MASTER LOG OF WELLS SAMPLED,
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM
JANUARY THROUGH MARCH 1993, MCCLELLAN AIR FORCE BASE

FOOTNOTES AND ABBREVIATIONS

DATAFLAGS:

- Ø = The results are less than five times the method specified detection limit. Uncertainty of the analysis will increase as the method detection limit is approached. These results should be considered approximate.
- C = Confirmed on second column or by GC/MS.
- G = Indicates an estimated value due to GC interferences and/or coelution.
- NØ = Not detected at specified detection limit.
- P = Previously confirmed on second column or by GC/MS.
- V = Not confirmed - second column not requested.
- Z = Inorganic methods - Analyte is found in the associated blank, but the sample results are not corrected for the amount in the blank.

FIELD ANALYSIS AND FIELD QA/QC:

- AB = Ambient Blank.
- EB = Equipment Blank.
- FD = Field Duplicate.
- NS = Normal Sample.
- TB = Trip Blank.

QUALIFIED RESULTS:

- G = Second column value reported as primary result due to interferences/coelution.
- M = Qualified as estimated due to matrix spike or surrogate recoveries outside the control limits.
- O = Detected in blank other than reagent blank.
- PF = Qualified as estimated due to high total variability as measured by field duplicates.
- PL = Qualified as estimated due to high total variability as measured by laboratory duplicates.
- R = Detected in the reagent blank.
- S = Systematic analytical difficulties/biases.

UNITS:

- ug/L = Micrograms per liter.
- mg/L = Milligrams per liter.
- METHOD 8010, 8020 = ug/L
- METHODS 6010, 7060, 7470, 7740, 7421, 7740 = mg/L

WELL IDENTIFICATION:

- EC = Extraction Well Composite.
- EC-1 is a composite of EW-73, EW-83, EW-84, EW-85, EW-86, and EW-87.
- EW = Extraction Well.
- MW = Monitoring Well.
- OW = Observation Well.

NOTES:

- AL = Cal/EPA Dept. of Toxic Substances Control Action Level.
- GC = Gas Chromatography.
- GC/MS = Gas Chromatography/Mass Spectrometry.
- MCL = Cal/EPA Dept. of Toxic Substances Control Maximum Contaminant Level.
- PMCL = U.S. Environmental Protection Agency Primary Maximum Contaminant Level.
- QA/QC = Quality Assurance/Quality Control.

TABLE 5 WELLS CONTAINING ANALYTES AT CONCENTRATIONS EQUAL TO OR EXCEEDING STATE AND FEDERAL DRINKING WATER STANDARDS. GROUNDWATER SAMPLING AND ANALYSIS PROGRAM. JANUARY THROUGH MARCH 1993. MCCELLENN AIR FORCE BASE

Well Number	Date Sampled	Sector	Method	Analyte Detected	Field Duplicate Analysis	Lab	Concentration	Maximum Contaminant Level Or Action Level	Qualified Results
EC-1	08-Jan-93	D	8010	1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane Tetrachloroethene Trichloroethene Vinyl Chloride cis-1,2-Dichloroethene		RAS RAS RAS RAS RAS RAS RAS	79 C 990 C 22 C 5.7 C@ 310 C 130 C 50 C	5.0 MCL 6.0 MCL 0.50 MCL 5.0 MCL 5.0 MCL 0.50 MCL 6.0 MCL	
			8020	Benzene Benzene	FD	RAS RAS	1.4 C@ 1.8 C@	1.0 MCL 1.0 MCL	G G
EW-137	11-Jan-93	C	8010	Trichloroethene cis-1,2-Dichloroethene		RAS RAS	57 P 7.4 P	5.0 MCL 6.0 MCL	
EW-140	14-Jan-93	C	8010	Trichloroethene cis-1,2-Dichloroethene		RAS RAS	85 P 21 P	5.0 MCL 6.0 MCL	
			6010	Lead		RAS	0.066 @	0.050 MCL	
			7421	Lead		RAS	0.054	0.050 MCL	
EW-141	11-Jan-93	C	8010	Trichloroethene cis-1,2-Dichloroethene		RAS RAS	55 P 7.2 P	5.0 MCL 6.0 MCL	
EW-144	14-Jan-93	C	8010	Trichloroethene		RAS	1300 P	5.0 MCL	
EW-233	08-Jan-93	B	8010	Tetrachloroethene Trichloroethene		RAS RAS	1000 P 5400 P	5.0 MCL 5.0 MCL	
EW-234	08-Jan-93	B	8010	Tetrachloroethene Trichloroethene		RAS RAS	71 P 800 P	5.0 MCL 5.0 MCL	
MW-7	26-Jan-93	B	8010	Trichloroethene cis-1,2-Dichloroethene Trichloroethene cis-1,2-Dichloroethene	FD FD	RAS RAS RAS RAS	24 P 16 P 21 C 13 C	5.0 MCL 6.0 MCL 5.0 MCL 5.0 MCL	
MW-14	26-Jan-93	D	8010	1,1,1-Trichloroethane 1,1-Dichloroethene Trichloroethene		RAS RAS RAS	1100 C 2100 C 1700 C	200 MCL 6.0 MCL 5.0 MCL	
			6010	Aluminum Chromium Lead		RAS RAS RAS	19 0.063 0.059 @	1.0 MCL 0.050 MCL 0.050 MCL	
MW-15	13-Jan-93	D	8010	1,1-Dichloroethene Trichloroethene		RAS RAS	320 C 310 C	6.0 MCL 5.0 MCL	

TABLE 5 (Continued)

Well Number	Date Sampled	Sector	Method	Analyte Detected	Field Duplicate Analysis	Lab	Concentration	Maximum Contaminant Level Or Action Level	Qualified Results
MW-15	13-Jan-93	D	6010	Aluminum		RAS	9.3	1.0 MCL	
MW-260	08-Jan-93	A	8010	Trichloroethene Trichloroethene	FD	RAS RAS	37 C 47 C	5.0 MCL 5.0 MCL	PF
MW-277	08-Jan-93	A	8010	1,2-Dichloroethane Carbon Tetrachloride Trichloroethene cis-1,2-Dichloroethene 1,2-Dichloroethane Carbon Tetrachloride Trichloroethene		RAS RAS RAS RAS RAS RAS RAS	1.6 G 25 C 35 C 6.0 C 1.4 C 15 C 26 C	0.50 MCL 0.50 MCL 5.0 MCL 6.0 MCL 0.50 MCL 0.50 MCL 5.0 MCL	PF PF PF
MW-415	07-Jan-93	B	8010	Tetrachloroethene Trichloroethene		RAS RAS	16 P 460 P	5.0 MCL 5.0 MCL	
MW-55	12-Jan-93	D	6010	Chromium	FD	RAS	0.056	0.050 MCL	
MW-58	22-Jan-93	D	6010	Selenium		RAS	0.099 Z@	0.010 MCL	M, R, PLM
MW-61	26-Jan-93	C	8010	Trichloroethene		RAS	36 C	5.0 MCL	
			6010	Lead		RAS	0.066 @	0.050 MCL	
MW-63	28-Jan-93	B	8010	Trichloroethene cis-1,2-Dichloroethene		RAS RAS	40 P 15 P	5.0 MCL 6.0 MCL	
MW-69	15-Jan-93	A	8010	Carbon Tetrachloride		RAS	0.81 C@	0.50 MCL	
MW-71	21-Jan-93	A	8010	1,2-Dichloroethane Trichloroethene		RAS RAS	0.50 C@ 18 C	0.50 MCL 5.0 MCL	
MW-132	27-Jan-93	B	8010	1,2-Dichloroethane Trichloroethene cis-1,2-Dichloroethene		RAS RAS RAS	0.51 P@ 48 P 16 P	0.50 MCL 5.0 MCL 6.0 MCL	
MW-148	12-Jan-93	B	8010	Trichloroethene		RAS	9.1 P	5.0 MCL	
MW-150	08-Jan-93	B	6010	Chromium		RAS	0.077	0.050 MCL	
MW-153	08-Jan-93	B	8010	Tetrachloroethene Trichloroethene Trichloroethene Trichloroethene	FD FD	RAS RAS RAS RAS	13 P 180 P 17 C 220 C	5.0 MCL 5.0 MCL 5.0 MCL 5.0 MCL	
			6010	Chromium		RAS	0.085	0.050 MCL	
MW-154	14-Jan-93	B	8010	Carbon Tetrachloride		RAS	0.60 P@	0.50 MCL	

TABLE 5 (Continued)

Well Number	Date Sampled	Sector	Method	Analyte Detected	Field Duplicate Analysis	Lab	Concentration	Maximum Contaminant Level Or Action Level	Qualified Results
MW-155	12-Jan-93	B	8010	1,2-Dichloroethane		RAS	0.61 C@	0.50 MCL	
				Trichloroethene		RAS	19 C	5.0 MCL	
				cis-1,2-Dichloroethene		RAS	13 C	6.0 MCL	
				1,2-Dichloroethane	FD	RAS	0.63 C@	0.50 MCL	
				Trichloroethene	FD	RAS	24 C	5.0 MCL	
MW-156	27-Jan-93	B	8010	cis-1,2-Dichloroethene	FD	RAS	14 C	6.0 MCL	
				1,2-Dichloroethane		RAS	0.98 C@	0.50 MCL	
				Trichloroethene		RAS	93 C	5.0 MCL	
				cis-1,2-Dichloroethene		RAS	38 C	6.0 MCL	
				Chromium		RAS	0.28	0.050 MCL	
MW-157	14-Jan-93	B	8010	Tetrachloroethene		RAS	68 P	5.0 MCL	PF
				Trichloroethene		RAS	670 P	5.0 MCL	PF
				Tetrachloroethene	FD	RAS	46 C	5.0 MCL	
				Trichloroethene	FD	RAS	460 C	5.0 MCL	
				Aluminum Chromium		RAS	3.2	1.0 MCL	
MW-158	14-Jan-93	B	8010	Chromium		RAS	0.66	0.050 MCL	
				Tetrachloroethene		RAS	110 P	5.0 MCL	
				Trichloroethene		RAS	950 P	5.0 MCL	
				cis-1,2-Dichloroethene		RAS	18 P@	6.0 MCL	
				Chromium		RAS	0.33	0.050 MCL	
MW-159	14-Jan-93	B	8010	Tetrachloroethene		RAS	6.3 P	5.0 MCL	
				Trichloroethene		RAS	150 P	5.0 MCL	
				cis-1,2-Dichloroethene		RAS	42 P	6.0 MCL	
				Trichloroethene		RAS	5.5 C	5.0 MCL	
				Aluminum Chromium		RAS	2.3	1.0 MCL	
MW-163	27-Jan-93	C	8010	Chromium		RAS	0.11	0.050 MCL	
				Trichloroethene		RAS	7.3 C	5.0 MCL	
				Chromium Lead		RAS	0.28	0.050 MCL	
				Chromium		RAS	0.060 @	0.050 MCL	
				Chromium		RAS	1.1	0.050 MCL	
MW-169	19-Jan-93	A	8010	Trichloroethene		RAS	27 C	5.0 MCL	
				Chromium		RAS	16 C	6.0 MCL	
				cis-1,2-Dichloroethene		RAS	0.20	0.050 MCL	
				Chromium		RAS	0.20	0.050 MCL	
				Chromium		RAS	0.20	0.050 MCL	

TABLE 5 (Continued)

Well Number	Date Sampled	Sector	Method	Analyte Detected	Field Duplicate Analysis	Lab	Concentration	Maximum Contaminant Level Or Action Level	Qualified Results
MW-206	21-Jan-93	C	8010	1,1-Dichloroethane		RAS	12 P	5.0 MCL	
MW-217	15-Jan-93	B	8010	Trichloroethene		RAS	47 P	5.0 MCL	
				cis-1,2-Dichloroethene		RAS	25 P	6.0 MCL	
				1,2-Dichloroethane	FD	RAS	0.52 C@	0.50 MCL	
				Trichloroethene	FD	RAS	38 C	5.0 MCL	
				cis-1,2-Dichloroethene	FD	RAS	25 C	6.0 MCL	
MW-218	15-Jan-93	B	6010	Chromium		RAS	0.55	0.050 MCL	
				Lead		RAS	0.055 @	0.050 MCL	
MW-219	15-Jan-93	B	8010	Trichloroethene		RAS	5.5 P	5.0 MCL	
			6010	Arsenic		RAS	0.069 Z@	0.050 MCL	R, PLM
				Chromium		RAS	0.12	0.050 MCL	
				Lead		RAS	0.050 @	0.050 MCL	
MW-236	15-Jan-93	B	8010	Tetrachloroethene		RAS	72 P	5.0 MCL	
				Trichloroethene		RAS	1100 P	5.0 MCL	
			6010	Chromium		RAS	0.54	0.050 MCL	
				Lead		RAS	0.055 @	0.050 MCL	
MW-1000	14-Jan-93	B	6010	Chromium		RAS	1.8	0.050 MCL	
				Chromium		RAS	1.8	0.050 MCL	
					FD				
MW-1021	21-Jan-93	B	6010	Aluminum		RAS	3.7	1.0 MCL	
				Chromium		RAS	1.5	0.050 MCL	
MW-1022	21-Jan-93	B	8010	Trichloroethene		RAS	8.5 P	5.0 MCL	
MW-1026	21-Jan-93	D	6010	Aluminum		RAS	17	1.0 MCL	
				Chromium		RAS	2.0	0.050 MCL	
				Selenium		RAS	0.10 Z@	0.010 MCL	R, PLM
MW-1044	26-Jan-93	B	6010	Aluminum		RAS	8.8	1.0 MCL	PF
				Cadmium		RAS	0.012 @	0.010 MCL	
				Chromium		RAS	11	0.050 MCL	PF
				Aluminum	FD	RAS	2.0	1.0 MCL	
				Arsenic	FD	RAS	0.070 @	0.050 MCL	
				Chromium	FD	RAS	0.83	0.050 MCL	
MW-1045	11-Jan-93	B	8010	Trichloroethene		RAS	10 P	5.0 MCL	
				Trichloroethene	FD	RAS	11 C	5.0 MCL	G
MW-1049	22-Jan-93	B	8010	Trichloroethene		RAS	7.9 P	5.0 MCL	
				Trichloroethene	FD	RAS	6.7 C	5.0 MCL	

TABLE 5 (Continued)

Well Number	Date Sampled	Sector	Method	Analyte Detected	Field Duplicate Analysis	Lab	Concentration	Maximum Contaminant Level Or Action Level	Qualified Results
MW-1064	20-Jan-93	D	6010	Chromium		RAS	0.058	0.050 MCL	
			6010	Chromium		RAS	1.3	0.050 MCL	M
MW-1065	20-Jan-93	A	6010	Chromium		RAS	0.37	0.050 MCL	
MW-1067	20-Jan-93	A	8010	Carbon Tetrachloride		RAS	1.8 P	0.50 MCL	
OW-654	29-Jan-93	E	6010	Arsenic		RAS	0.096 @	0.050 MCL	PLM

Footnotes and abbreviations are listed on the next page.

TABLE 5 (Continued)

FOOTNOTES AND ABBREVIATIONS

DATAFLAGS:

- C = Confirmed on second column.
- P = Previously confirmed on second column or by GC/MS.
- Z = Inorganic Methods - Analyte is found in the associated blank, but the sample results are not corrected for the amount in the blank.
- @ = Reported value is less than five times the reporting limit.
- G = Primary and second column results differ by more than a factor of three times for method SW8010 and two times for method SW8020.

FIELD DUPLICATE ANALYSIS:

- FD = Field duplicate.

LAB:

- RAS = Radian Analytical Services, Austin

MAXIMUM CONTAMINANT LEVEL/ACTION LEVEL:

- AL = Cal/EPA Dept. of Toxic Substances Control Action Level.
- MCL = Cal/EPA Dept. of Toxic Substances Control Maximum Contaminant Level.
- PMCL = U.S. Environmental Protection Agency Primary Maximum Contaminant Level.

WELL IDENTIFICATION:

- EC = Extraction Well Composite.
- EC-1 is a composite of EW-73, EW-83, EW-84, EW-85, EW-86, and EW-87.
- EW = Extraction Well.
- MW = Monitoring Well.
- OW = Observation Well (Residential Well).

QUALIFIED RESULTS:

- G = Second column result used as primary result due to coelution/interferences.
- M = Qualified as inaccurate due to matrix, surrogate, or analytical spike recoveries outside the control limits.
- PF = Qualified as estimated due to high total variability as measured by field duplicates.
- R = Detected in reagent blank.
- PLM = Qualified as estimated due to potential interferences from other elements and lack of confirmation by atomic absorption methods.

UNITS:

- METHODS 8010, 8020 = ug/L.
- METHODS 6010, 7060, 7421, 7470, 7740 = mg/L.
- MCL/AL FOR METHODS 8010, 8020 = ug/L.
- MCL/AL FOR METHODS 6010, 7060, 7421, 7470, 7740 = mg/L.
- mg/L = milligrams per liter.
- ug/L = micrograms per liter.

TABLE 6 AMBIENT BLANKS WITH ASSOCIATED WELL SAMPLES,
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM,
JANUARY THROUGH MARCH 1993, McCLELLAN AIR FORCE BASE

Ambient Blank	Date Sampled	Associated wells	Sector
AB-69	15 January 1993	MW-69	A
AB-158	14 January 1993	MW-1000 MW-154 MW-157 MW-158 MW-159	B
AB-183	26 January 1993	MW-183	C
AB-61	26 January 1993	MW-61	C
AB-14	26 January 1993	MW-14	D
AB-101	18 January 1993	MW-101	E

TABLE 7 TRIP BLANKS WITH ASSOCIATED WELL SAMPLES
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM.
JANUARY THROUGH MARCH 1993, McCLELLAN AIR FORCE BASE

Trip Blank ID	Date Sampled	Shipping Cooler ID	Associated Wells
TB-1	15-Jan-93	A	MW-69(a) MW-200 MW-217 MW-218(a) MW-219 MW-236
TB-2	19-Jan-93	A	MW-149(a) MW-169(a) MW-177(a) MW-188(a) MW-1010(a)
TB-3	20-Jan-93	A	MW-1037 MW-1038(a) MW-1039(a) MW-1064 MW-1065 MW-1066 MW-1067 MW-1068
TB-4	28-Jan-93	A	MW-63(a) MW-74(a) MW-181(a)
TB-5	29-Jan-93	A	MW-75(a) MW-76(a)

NOTES:

(a) = Associated with Method 8010 analysis only.

TABLE 8. SUMMARY OF QUALITY CONTROL RESULTS FOR BLANKS, GROUNDWATER SAMPLING AND ANALYSIS PROGRAM, JANUARY - MARCH 1993, McCLELLAN AFB

U.S. EPA SW846 Method	Number Performed	Total Possible Number of Occurrences	Compound (Number of Occurrences)	Range of Results
Reagent Blanks				
8010 (34 analytes)	28	952	No Analytes Detected	NA
8020 (8 analytes)	17	136	No Analytes Detected	NA
6010 (23 analytes)	6	138	Antimony (2) Iron (3) Thallium (1) Manganese (1) Copper (1) Selenium (1) Zinc (1) Arsenic (1)	0.040 @ - 0.051 @ mg/L 0.015 @ - 0.023 @ mg/L 0.074 @ mg/L 0.0020 @ mg/L 0.0089 @ mg/L 0.079 @ mg/L 0.0057 mg/L 0.057 @ mg/L
7060 (1 analyte)	5	5	No Analytes Detected	NA
7421 (1 analyte)	5	5	No Analytes Detected	NA
7470 (1 analyte)	10	10	No Analytes Detected	NA
7740 (1 analyte)	7	7	No Analytes Detected	NA
Trip Blanks				
8010 (34 analytes)	5	170	No Analytes Detected	NA
8020 (8 analytes)	2	16	No Analytes Detected	NA
Ambient Blanks				
8010 (34 analytes)	6	204	No Analytes Detected	NA
8020 (8 analytes)	5	40	No Analytes Detected	NA

(Continued)

TABLE 8. (Continued)

U.S. EPA SW846 Method	Number Performed	Total Possible Number of Occurrences	Compound (Number of Occurrences)	Range of Results
Equipment Blanks				
8010 (34 analytes)	9	306	Trichloroethene (1)	1.4 @ $\mu\text{g/L}$
8020 (8 analytes)	4	32	No Analytes Detected	NA
6010 (23 analytes)	3	69	Antimony (2) Calcium (1) Iron (3) Zinc (1) Arsenic (1) Magnesium (3) Molybdenum (1) Thallium (1)	0.066 Z @ - 0.081 Z @ mg/L 0.072 @ mg/L 0.023 Z @ - 0.062 mg/L 0.0034 @ mg/L 0.068 @ mg/L 0.031 @ - 0.067 @ mg/L 0.015 @ mg/L 0.097 @ mg/L
7060 (1 analyte)	3	3	No Analytes Detected	NA
7421 (1 analyte)	3	3	Lead (1)	0.0039 @ mg/L
7470 (1 analyte)	3	3	No Analytes Detected	NA
7740 (1 analyte)	3	3	No Analytes Detected	NA

NA = Not applicable.

@ = Detected as less than five times the reporting limit.

mg/L = Milligrams per liter.

$\mu\text{g/L}$ = Micrograms per liter.

U.S. EPA = United States Environmental Protection Agency

Z = Analyte detected in associated reagent blank. Reported amount not corrected for amount detected in blank.

NOTE: Some concentration values in ranges may have associated flags; see individual result tables.

TABLE 9. SUMMARY OF QUALIFIED DATA, GROUNDWATER SAMPLING AND ANALYSIS PROGRAM, JANUARY - MARCH 1993, McCLELLAN AFB

Sample Number	U.S. EPA Method	Analyte(s)	Type of Qualifications	Reason
EC-1	6010	Antimony	R	Detected in reagent blank
	8020	All	G	Use second column as primary result
		1,3-Dichlorobenzene	PF	High RPD between field duplicates
EC-1 (FD)	8020	All	G	Use second column as primary result
EW-137	6010	Antimony	R	Detected in reagent blank
EW-233	6010	Antimony	R	Detected in reagent blank
EW-234	6010	Antimony	R	Detected in reagent blank
MW-7	8010	Chloroform	PF	High RPD between field duplicates
MW-14	6010	Antimony	R	Detected in reagent blank
MW-19D	8020	Total Xylenes	PL	High RPD between MS/MSD
	6010	Copper	R	Detected in reagent blank
MW-26D	8010	Trichloroethene	PF	High RPD between field duplicates
MW-27D	6010	Antimony	R	Detected in reagent blank
	8010	Carbon tetrachloride, cis-1,2-Dichloroethene	PF	High RPD between field duplicates
MW-57	6010	Antimony	R	Detected in reagent blank
MW-58	6010	Selenium	M	Low MS recovery
MW-61	6010	Antimony	R	Detected in reagent blank
MW-74	6010	Antimony	R	Detected in reagent blank
MW-75	6010	Copper	R	Detected in reagent blank
MW-76	6010	Antimony, Iron, Copper	R	Detected in reagent blank
MW-101	6010	Arsenic	R	Detected in reagent blank
MW-150	6010	Antimony	R	Detected in reagent blank
		Tetrachloroethene	PF	High RPD between field duplicates
MW-156	6010	Antimony	O	Detected in equipment blank
		Thallium	O	Detected in reagent blank
		Antimony	R	Detected in reagent blank
MW-157	8010	Trichloroethene, Tetrachloroethene	PF	High RPD between field duplicates

(Continued)

TABLE 9. (Continued)

Sample Number	U.S. EPA Method	Analyte(s)	Type of Qualifications	Reason
MW-163	6010	Antimony	O	Detected in equipment blank
		Antimony	R	Detected in reagent blank
		Copper	R	Detected in reagent blank
		Lead	O	Detected in equipment blank
MW-181	6010	Antimony	R	Detected in reagent blank
		Copper	R	Detected in reagent blank
		Mercury	M	Low MS recovery
MW-183	6010	Antimony	R	Detected in reagent blank
MW-219	6010	Arsenic	R	Detected in reagent blank
MW-1000	6010	Aluminum	PF	High RPD between field duplicates
		Thallium	R	Detected in reagent blank
MW-1020	6010	Antimony	R	Detected in reagent blank
MW-1026	6010	Selenium	R	Detected in reagent blank
MW-1042	6010	Antimony	R	Detected in reagent blank
MW-1044	7060	Arsenic, Aluminum, Antimony, Barium, Chromium, Cobalt, Copper, Iron, Manganese, Molybdenum, Nickel, Vanadium	PF	High RPD between field duplicates
	6010			
MW-1045 (FD)	8010	All	G	Use second column as primary result
MW-1049	6010	Zinc	R	Detected in reagent blank
MW-1064	6010	Chromium	M	High MS recovery
All Method 7740 Results	7740	Selenium	S	Systematic low bias based on low MS recoveries

EC = Extraction composite.

EW = Extraction well.

G = Second column result used as primary result due to coelution/matrix interferences on first column analysis.

M = Qualified as inaccurate due to matrix or surrogate spike recoveries outside the control limits.

MW = Monitoring well.

MS/MSD = Matrix spike/matrix spike duplicate.

O = Detected in blank other than reagent blank.

PL = Qualified as estimated due to high total variability, as measured by laboratory duplicates.

PF = Qualified as estimated due to high total variability, as measured by field duplicates.

R = Detected in reagent blank.

RPD = Relative percent difference.

S = Qualified as estimated due to systematic matrix interferences.

U.S. EPA = United States Environmental Protection Agency.

REFERENCES

U.S. Environmental Protection Agency, 1986. *Test Methods for Evaluating Solid Waste, Third Edition*. Office of Solid Waste and Emergency Response. Washington, D.C. 20460. November.

Final McClellan AFB Quality Assurance Program Plan (QAPP). August 1992 Revision.

①

A

B

C

D

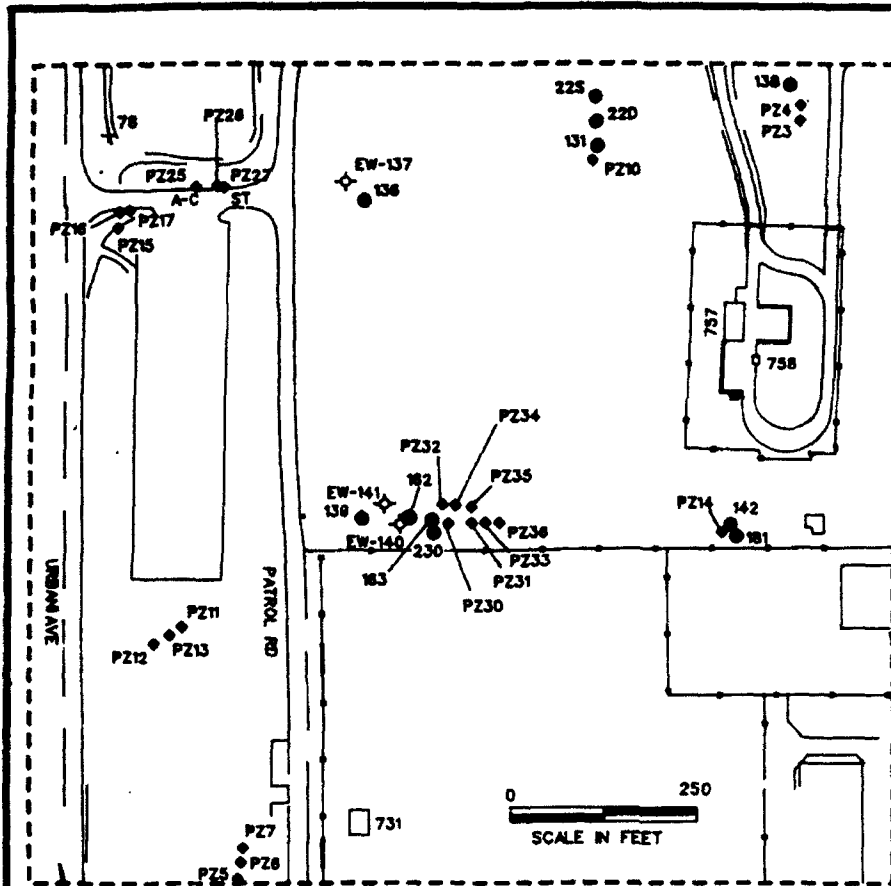
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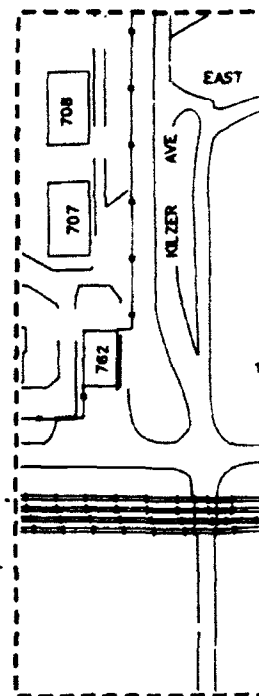
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INSET A



②

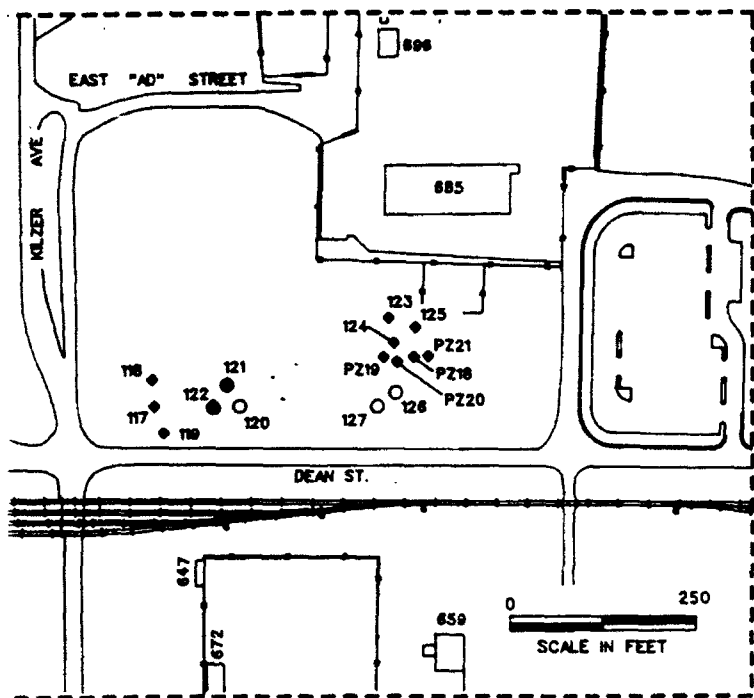
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E

F

G

H



INSET B

* RW11

(7)

(3)

H

I

J

K

RWB *

17D
17S

80
165 160

F

(8)

(4)

L

M

N

O

80
165 160

AW58 * 1012

103 102

9

(5)

O

P

Q

1

2

3

4

5

12

1040

(10)

5

①

6

E S

7

D

8

9

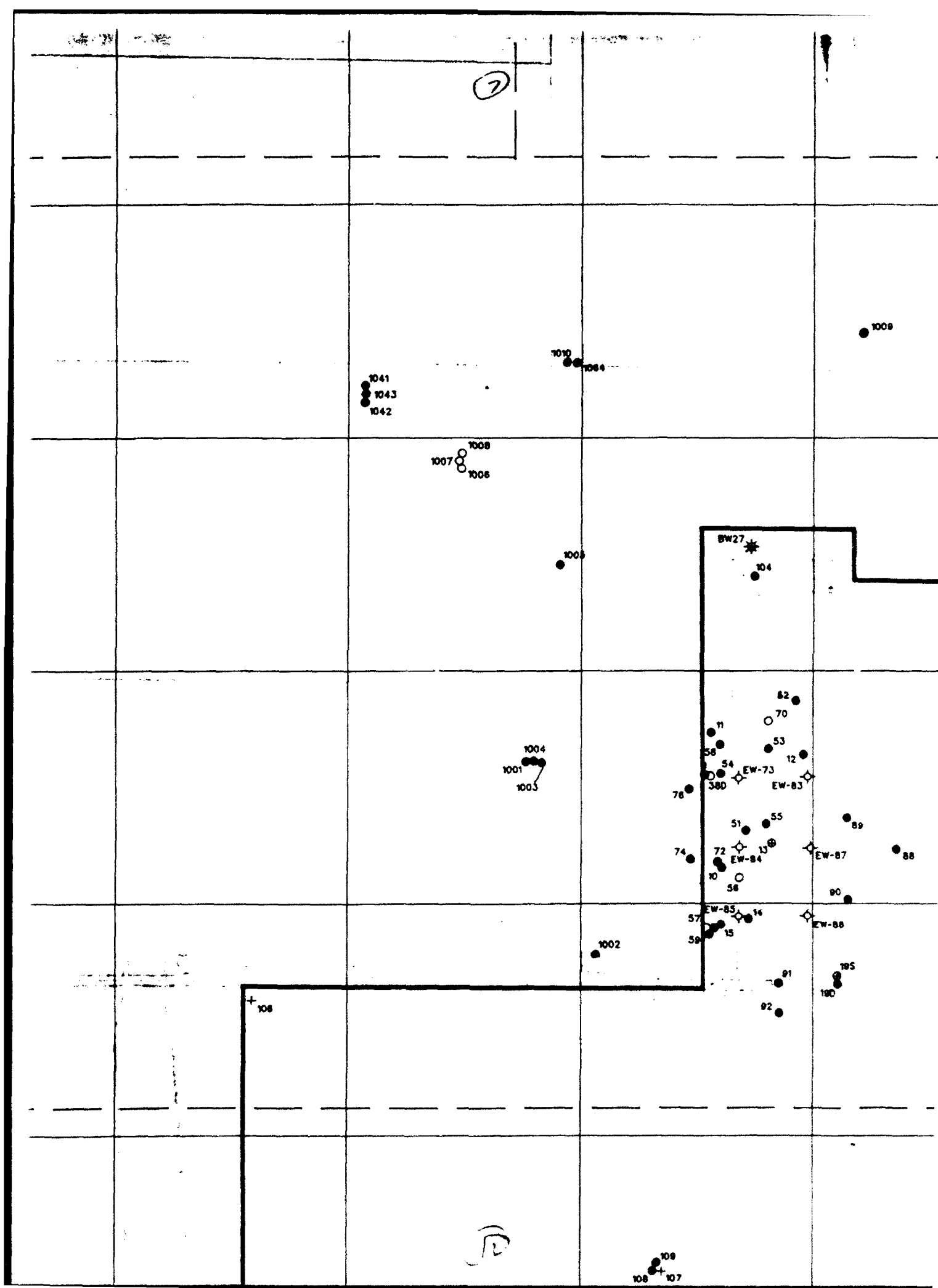
CW154
1019

1030
1029 1031

10

YHC

②



8

1027
1026 1028

185
180

* BW28

105

88

37

15

194 195 196

100

BW22 *

BW20 *

BW23 *

BW24 *

285 290 185

4HS

(10)

5

6

7

8

9

10

REGULATION

BW22

100

BW23

BW24

50

AW16

227
228

(15)

E

10

VINCI

(11)

11

C

CLARE

12

1034

1032 1018

13

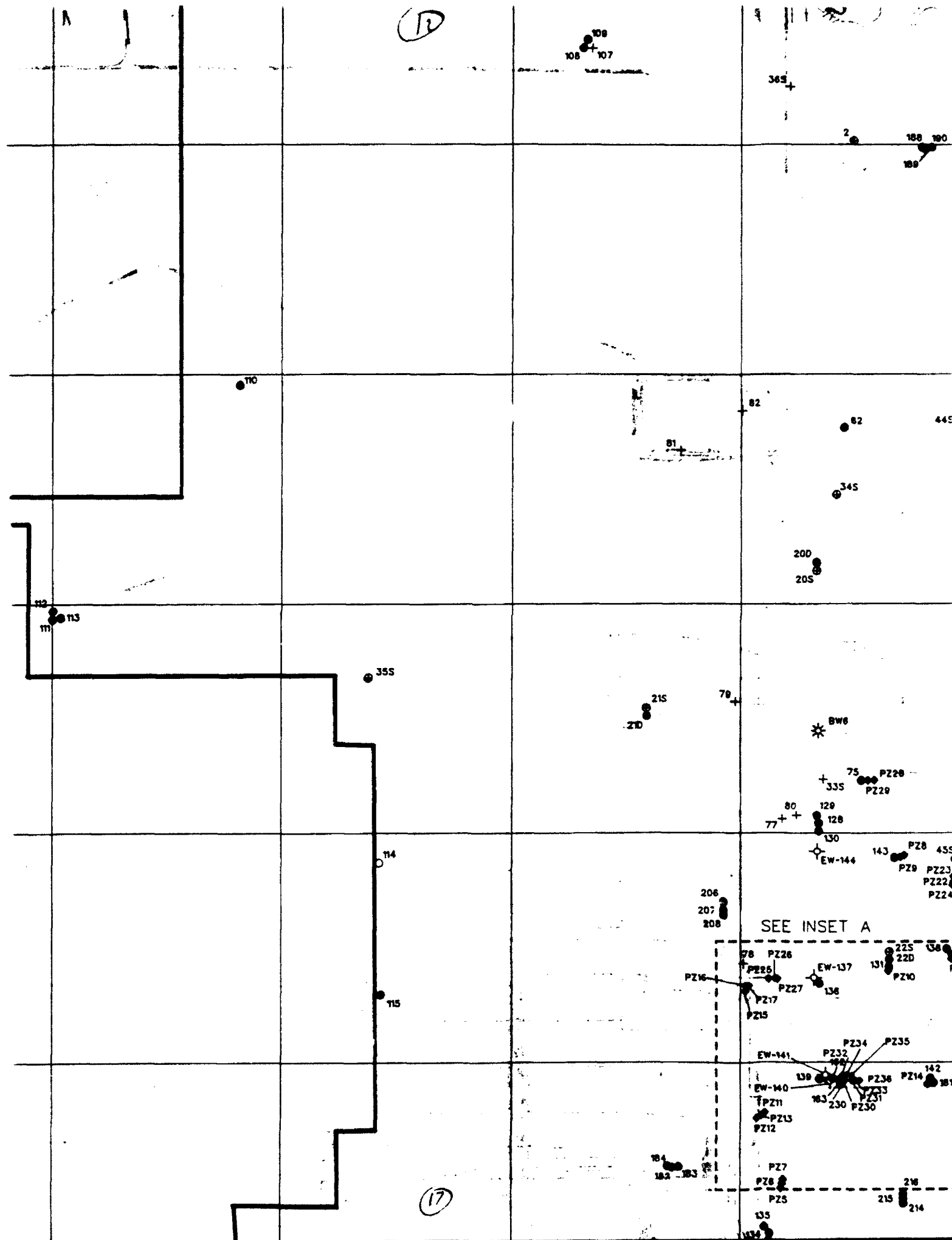
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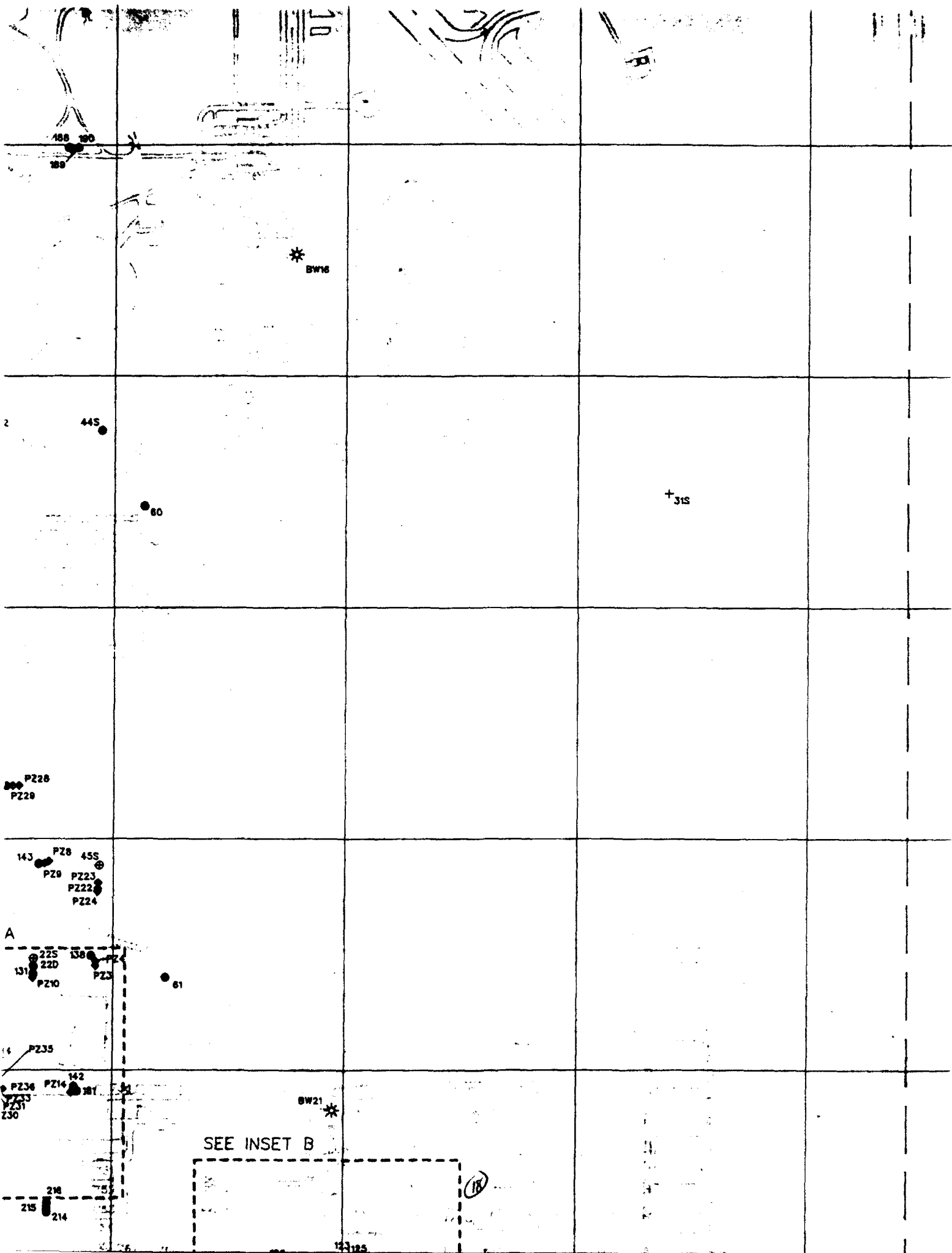
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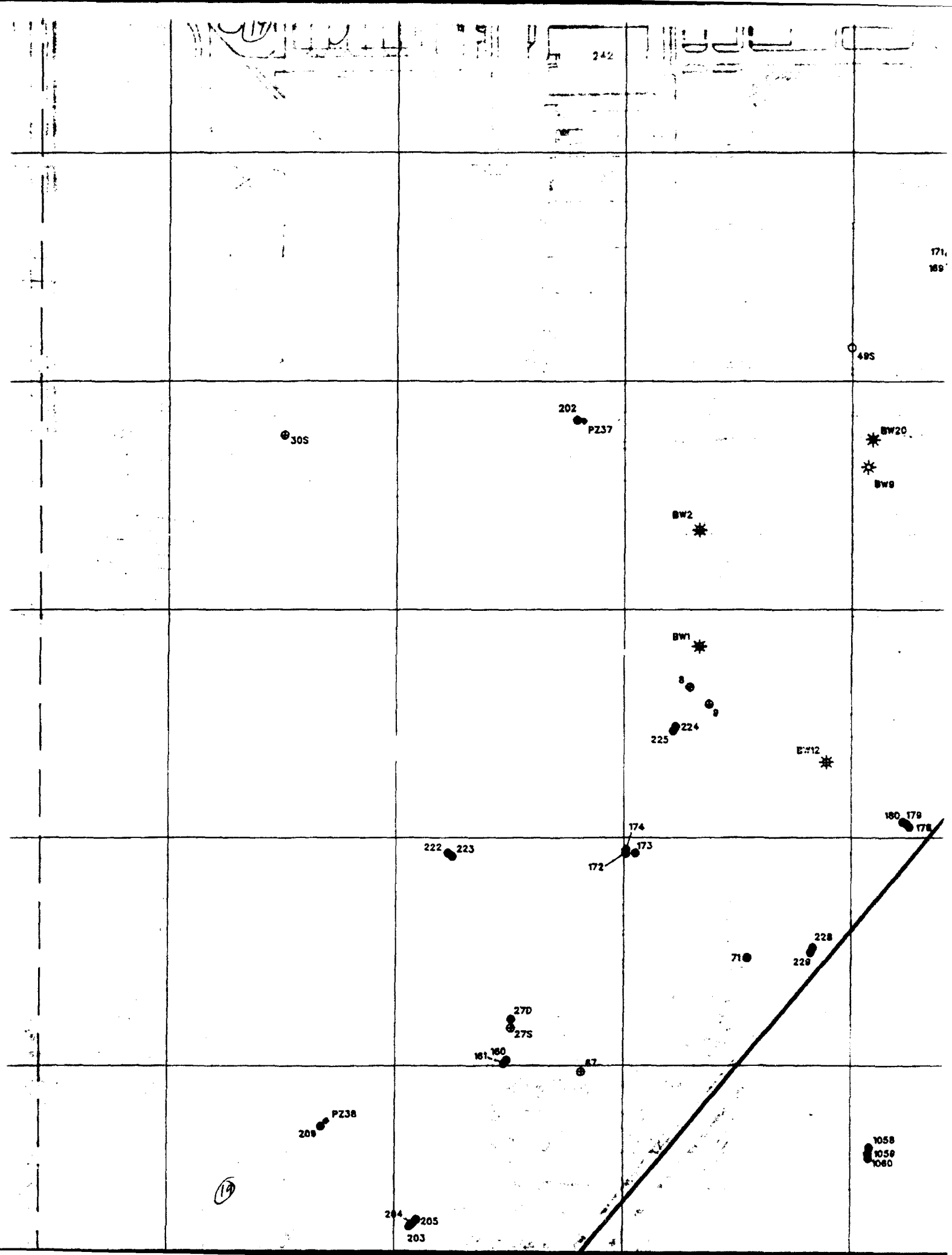
1017⁺

15

(16)







15

(16)

GRACE

1035
1033 + 1034

16

17

B

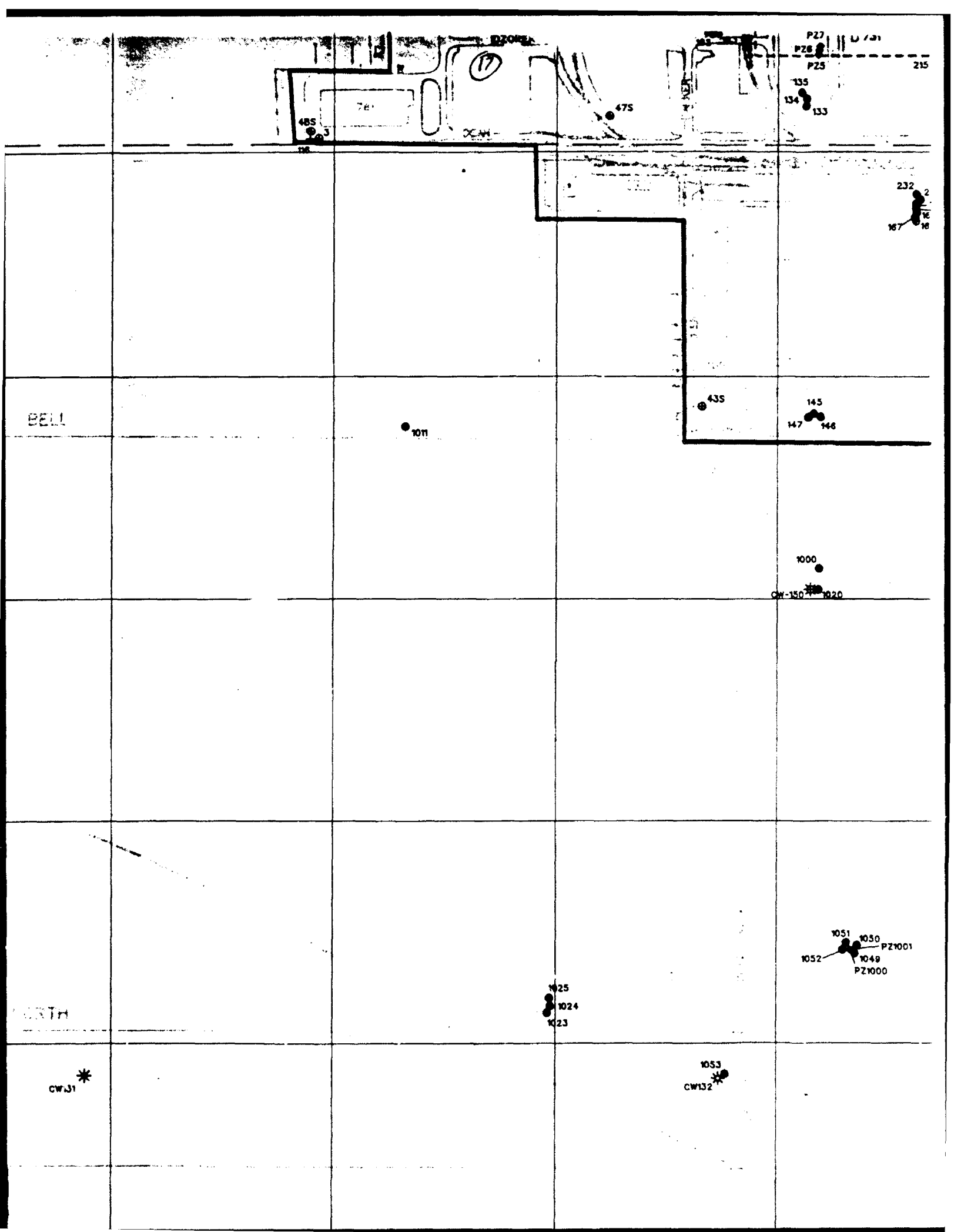
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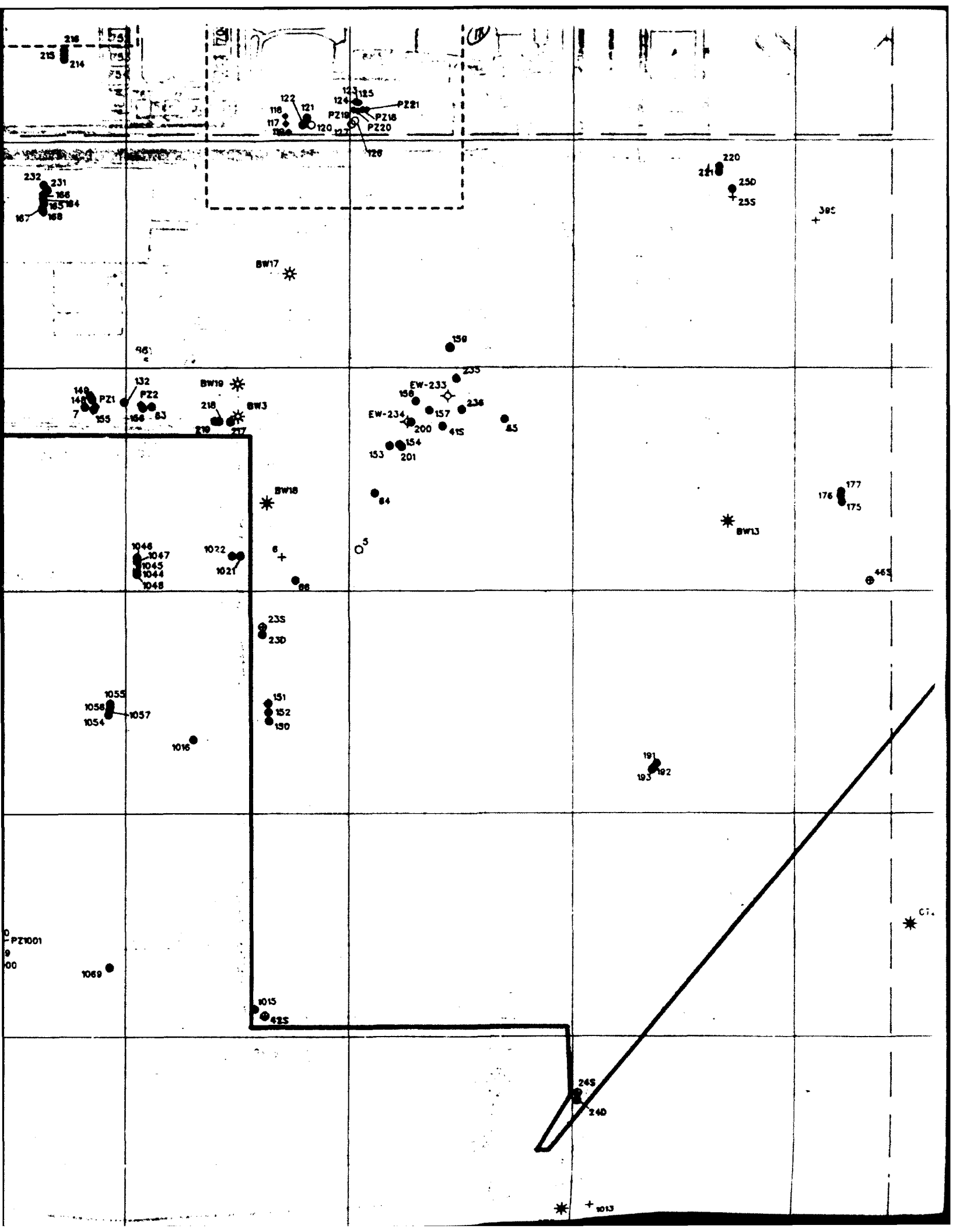
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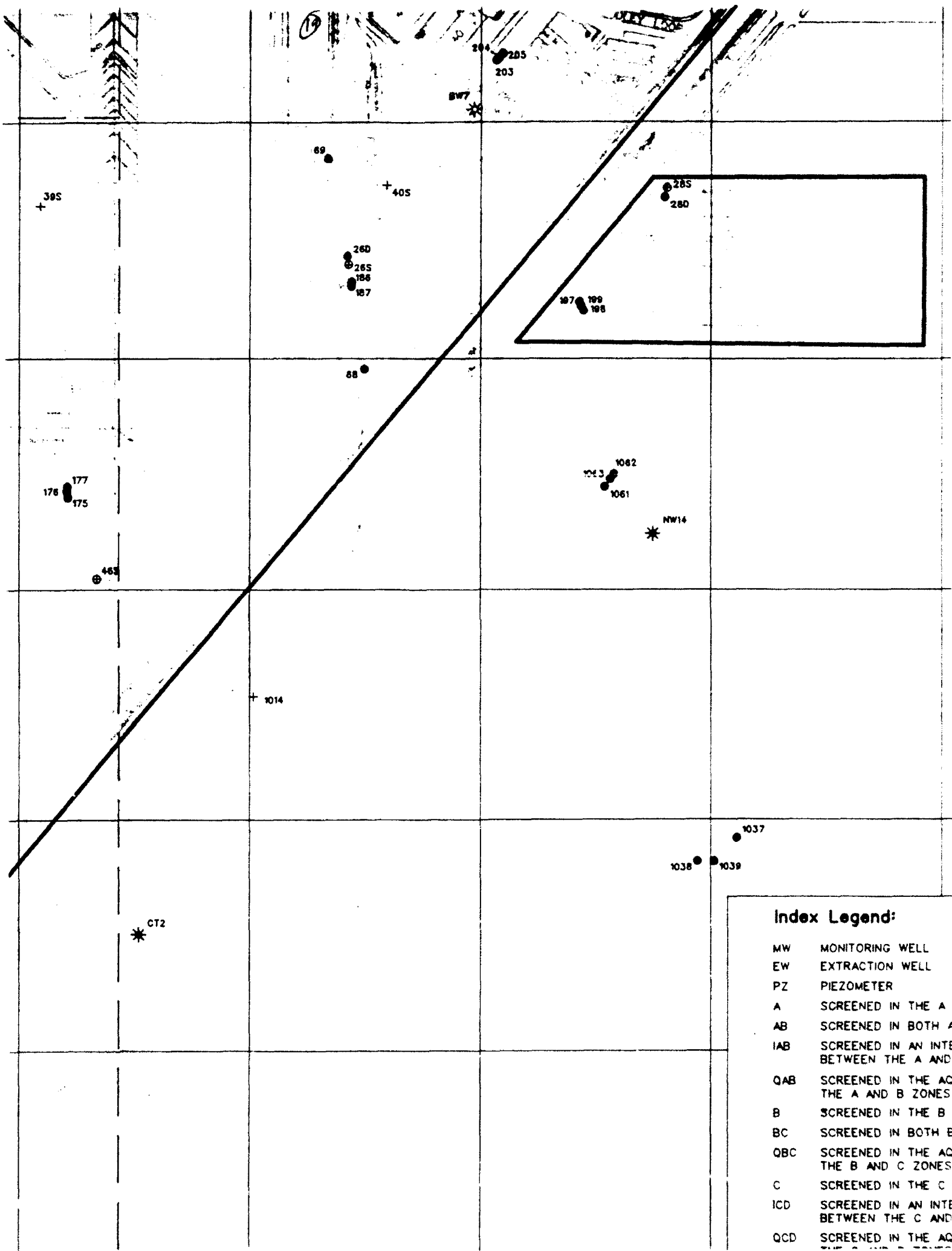
* CW138

20

* CW131







Index Legend:

- MW MONITORING WELL
- EW EXTRACTION WELL
- PZ PIEZOMETER
- A SCREENED IN THE A
- AB SCREENED IN BOTH A
- IAB SCREENED IN AN INTE
- QAB SCREENED IN THE AQUI
- B SCREENED IN THE B
- BC SCREENED IN BOTH B
- QBC SCREENED IN THE AQUI
- C SCREENED IN THE C
- ICD SCREENED IN AN INTE
- QCD SCREENED IN THE AQUI

A

CT4 *

1037

1038

Index Legend:

- MW MONITORING WELL
- EW EXTRACTION WELL
- PZ PIEZOMETER
- A SCREENED IN THE A ZONE
- AB SCREENED IN BOTH A AND B ZONES
- IAB SCREENED IN AN INTERMEDIATE ZONE BETWEEN THE A AND B ZONES
- QAB SCREENED IN THE AQUITARD BETWEEN THE A AND B ZONES
- B SCREENED IN THE B ZONE
- BC SCREENED IN BOTH B AND C ZONES
- QBC SCREENED IN THE AQUITARD BETWEEN THE B AND C ZONES
- C SCREENED IN THE C ZONE
- ICD SCREENED IN AN INTERMEDIATE ZONE BETWEEN THE C AND D ZONES
- QCD SCREENED IN THE AQUITARD BETWEEN

Map Legend:

- MONITORING WELL IN SAMPLING PROGRAM
- MONITORING WELL NOT IN SAMPLING PROGRAM
- PIEZOMETER
- + DRY WELL
- ABANDONED WELL
- ◇ EXTRACTION WELL
- * CITY/BASE WELL (ACTIVE)
- * CITY/BASE WELL (INACTIVE)
- * CITY/BASE WELL (ABANDONED)

20

21

A

B

C

D

WELL	ZONE	GRID	WELL	ZONE	GRID	WELL	ZONE	GRID
EW-73	AB	G-8	MW-16S	A	L-1	MW-31S	A	K-12
EW-83	AB	G-8	MW-17D	AB	J-1	MW-33S	A	H-13
EW-84	AB	G-8	MW-17S	A	J-1	MW-34S	A	H-12
EW-85	AB	G-9	MW-18D	B	K-7	MW-35S	A	F-13
EW-86	AB	G-9	MW-18S	A	K-7	MW-36S	A	H-10
EW-87	AB	G-8	MW-19D	B	H-9	MW-37	A	I-10
EW-137	B	H-14	MW-19S	A	H-9	MW-38D	IAB	G-8
EW-140	B	H-15	MW-20D	B	H-12	MW-39S	A	L-16
EW-141	C	H-15	MW-20S	A	H-12	MW-40S	A	M-16
EW-144	AB	H-14	MW-21D	A	G-13	MW-41S	A	J-17
EW-233	A	J-17	MW-21S	A	G-13	MW-42S	A	I-19
EW-234	A	J-17	MW-22D	B	H-14	MW-43S	A	G-17
MW-1	ATE	G-8	MW-22S	AB	H-14	MW-44S	A	H-12
MW-2	ATE	H-10	MW-23D	B	I-18	MW-45S	A	H-14
MW-3	ATF	E-15	MW-23S	A	I-18	MW-46S	A	L-17
MW-4	ATF	N-7	MW-24D	B	K-20	MW-47S	A	G-15
MW-5	A	J-17	MW-24S	A	K-20	MW-48S	A	E-15
MW-6	A	I-17	MW-25D	A	K-16	MW-49S	A	O-11
MW-7	A	H-17	MW-25S	A	K-16	MW-50	A	P-8
MW-8	A	O-13	MW-26D	B	M-16	MW-51	B	G-8
MW-9	A	O-13	MW-26S	A	M-16	MW-52	IAB	G-8
MW-10	A	G-8	MW-27D	B	N-14	MW-53	IAB	G-8
MW-11	A	G-8	MW-27S	A	N-14	MW-54	IAB	G-8
MW-12	A	G-8	MW-28D	A	N-16	MW-55	IAB	G-8
MW-13	A	G-8	MW-28S	A	N-16	MW-56	A	G-8
MW-14	A	G-9	MW-29D	B	N-9	MW-57	IAB	G-9
MW-15	A	G-9	MW-29S	A	N-9	MW-58	B	G-8
MW-16D	AB	L-1	MW-30S	A	M-12	MW-59	B	G-9

22

E

F

G

H

GRID	WELL	ZONE	GRID	WELL	ZONE	GRID	WELL	ZONE	GRID	WELL
K-12	MW-60	A	I-12	MW-101	A	N-6	MW-129	A	H-13	MW-161
H-13	MW-61	A	I-14	MW-102	A	N-4	MW-130	B	H-13	MW-162
H-12	MW-62	A	H-12	MW-103	B	N-4	MW-131	A	H-14	MW-163
F-13	MW-63	B	I-17	MW-104	B	G-7	MW-132	C	H-17	MW-164
H-10	MW-64	B	J-17	MW-105	B	I-8	MW-133	C	H-15	MW-165
I-10	MW-65	A	J-17	MW-106	A	E-9	MW-134	B	H-15	MW-166
G-8	MW-66	B	I-17	MW-107	A	G-10	MW-135	A	H-15	MW-167
L-16	MW-67	A	N-15	MW-108	IAB	G-10	MW-136	C	H-14	MW-168
M-16	MW-68	A	M-17	MW-109	B	G-10	MW-138	C	H-14	MW-169
J-17	MW-69	BC	M-16	MW-110	A	E-12	MW-139	A	H-15	MW-170
I-19	MW-70	IAB	G-8	MW-111	A	E-13	MW-142	B	H-15	MW-171
G-17	MW-71	B	O-14	MW-112	B	E-13	MW-143	B	H-14	MW-172
H-12	MW-72	A	G-8	MW-113	IAB	E-13	MW-145	A	H-17	MW-173
H-14	MW-74	IAB	G-8	MW-114	A	F-14	MW-146	B	H-17	MW-174
L-17	MW-75	A	H-13	MW-115	A	F-14	MW-147	C	H-17	MW-175
G-15	MW-76	IAB	G-8	MW-116	A	E-15	MW-148	ICD	H-17	MW-176
E-15	MW-77	A	H-13	MW-117	A	I-15	MW-149	D	H-17	MW-177
O-11	MW-78	A	H-14	MW-118	B	I-15	MW-150	A	I-18	MW-178
P-8	MW-79	A	G-13	MW-119	C	I-15	MW-151	B	I-18	MW-179
G-8	MW-80	A	H-13	MW-120	A	I-15	MW-152	C	I-18	MW-180
G-8	MW-81	A	G-12	MW-121	IAB	I-15	MW-153	A	J-17	MW-181
G-8	MW-82	A	H-12	MW-122	C	I-15	MW-154	C	J-17	MW-182
G-8	MW-88	A	H-8	MW-123	A	J-15	MW-155	A	H-17	MW-183
G-8	MW-89	A	H-8	MW-124	IAB	J-15	MW-156	B	I-17	MW-184
G-8	MW-90	A	H-8	MW-125	C	J-15	MW-157	A	J-17	MW-185
G-9	MW-91	A	G-9	MW-126	AB	J-15	MW-158	A	J-17	MW-186
G-8	MW-92	A	G-9	MW-127	C	J-15	MW-159	A	J-16	MW-187
G-9	MW-100	BC	N-6	MW-128	A	H-13	MW-160	A	N-14	MW-188

WILEY

WILEY

23

CT3 + 1013

H

I

J

K

WELL	ZONE	GRID	WELL	ZONE	GRID	WELL	ZONE	GRID	WELL	ZONE
MW-161	C	N-14	MW-189	B	H-11	MW-217	A	I-17	MW-1010	AB
MW-162	D	H-15	MW-190	C	H-11	MW-218	B	I-17	MW-1011	A
MW-163	D	H-15	MW-191	A	K-18	MW-219	C	I-17	MW-1012	A
MW-164	A	H-16	MW-192	B	K-18	MW-220	B	K-16	MW-1013	A
MW-165	B	H-16	MW-193	C	K-18	MW-221	C	K-16	MW-1014	A
MW-166	C	H-16	MW-194	A	M-6	MW-222	A	N-14	MW-1015	A
MW-167	D	H-16	MW-195	B	M-6	MW-223	B	N-14	MW-1016	A
MW-168	D	H-16	MW-196	C	M-6	MW-224	A	O-13	MW-1017	A
MW-169	A	P-11	MW-197	A	N-16	MW-225	B	O-13	MW-1018	A
MW-170	B	P-11	MW-198	B	N-16	MW-226	A	P-10	MW-1019	A
MW-171	C	P-11	MW-199	C	N-16	MW-227	B	P-10	MW-1020	A
MW-172	A	O-14	MW-200	A	J-17	MW-228	A	O-14	MW-1021	A
MW-173	B	O-14	MW-201	B	J-17	MW-229	B	O-14	MW-1022	B
MW-174	C	O-14	MW-202	A	N-12	MW-230	E	H-15	MW-1023	A
MW-175	A	L-17	MW-203	A	N-15	MW-231	E	H-16	MW-1024	A
MW-176	B	L-17	MW-204	B	N-15	MW-232	E	H-16	MW-1025	B
MW-177	C	L-17	MW-205	C	N-15	MW-235	A	J-17	MW-1026	A
MW-178	A	P-13	MW-206	A	G-14	MW-236	A	J-17	MW-1027	B
MW-179	B	P-13	MW-207	B	G-14	MW-1000	IAB	H-17	MW-1028	B
MW-180	C	P-13	MW-208	C	G-14	MW-1001	B	F-8	MW-1029	A
MW-181	C	H-15	MW-209	A	M-15	MW-1002	A	G-9	MW-1030	B
MW-182	A	G-15	MW-210	A	P-12	MW-1003	IAB	F-8	MW-1031	B
MW-183	B	G-15	MW-211	B	P-12	MW-1004	A	F-8	MW-1032	B
MW-184	C	G-15	MW-212	A	Q-12	MW-1005	A	F-7	MW-1033	A
MW-185	A	N-9	MW-213	B	Q-12	MW-1006	B	F-7	MW-1034	IAB
MW-186	A	M-16	MW-214	A	H-15	MW-1007	IAB	F-7	MW-1035	B
MW-187	C	M-16	MW-215	B	H-15	MW-1008	A	F-7	MW-1036	A
MW-188	A	H-11	MW-216	C	H-15	MW-1009	A	H-6	MW-1037	A

B SCREENED IN THE B ZONE
 BC SCREENED IN BOTH B AND C ZONES
 QBC SCREENED IN THE AQUITARD BETWEEN THE B AND C ZONES
 C SCREENED IN THE C ZONE
 ICD SCREENED IN AN INTERMEDIATE ZONE BETWEEN THE C AND D ZONES
 QCD SCREENED IN THE AQUITARD BETWEEN THE C AND D ZONES
 D SCREENED IN THE D ZONE
 E SCREENED IN THE E ZONE
 ATE SCREENED IN ZONES A THROUGH E
 ATF SCREENED IN ZONES A THROUGH F

* CITY/BASE WELL (ACTIVE)
 * CITY/BASE WELL (INACTIVE)
 * CITY/BASE WELL (ABANDONED)

20

25



0 500
SCALE IN FEET

O

P

Q

ELL ZONE GRID

Z-25	A	H-14
Z-26	B	H-14
Z-27	C	H-14
Z-28	B	H-13
Z-29	C	H-13
Z-30	A	H-15
Z-31	B	H-15
Z-32	QBC	H-15
Z-33	C	H-15
Z-34	C	H-15
Z-35	QCD	H-15
Z-36	D	H-15
Z-37	B	N-12
Z-38	B	M-15
Z-1000	A	H-19
Z-1001	B	H-19

Plate 1.

Location of
 Piezometers and
 Monitoring, Extraction,
 and Water Supply Wells.

May 1992

McClellan Air Force Base

LATEST REVISION: VRL DATE: 4-21-92

GENERATED BY: *Mark W. Little* DATE: 5-8-92

PEER REVIEW: *Thomas F. Galt* DATE: 5-11-92

PROJECT REVIEW: *John L. White* DATE: 5-11-92

RADIAN
CORPORATION

VRL 1092 1092BWWL/BW1092 05/09/92

①

20TH ST

16TH ST.

ELKHORN

1ST.

G ST.

* RW4

E ST.

ROBLA CREEK

C ST.

DRY CREEK

ASCOT

CW154

MW-1019
-38.85
(0.54)

MAGPIE CREEK

MW-1029
-36.38

VINCI

MW-1041
(ND)

MW-1042 (AB)
(ND)

MW-1004
-36.23

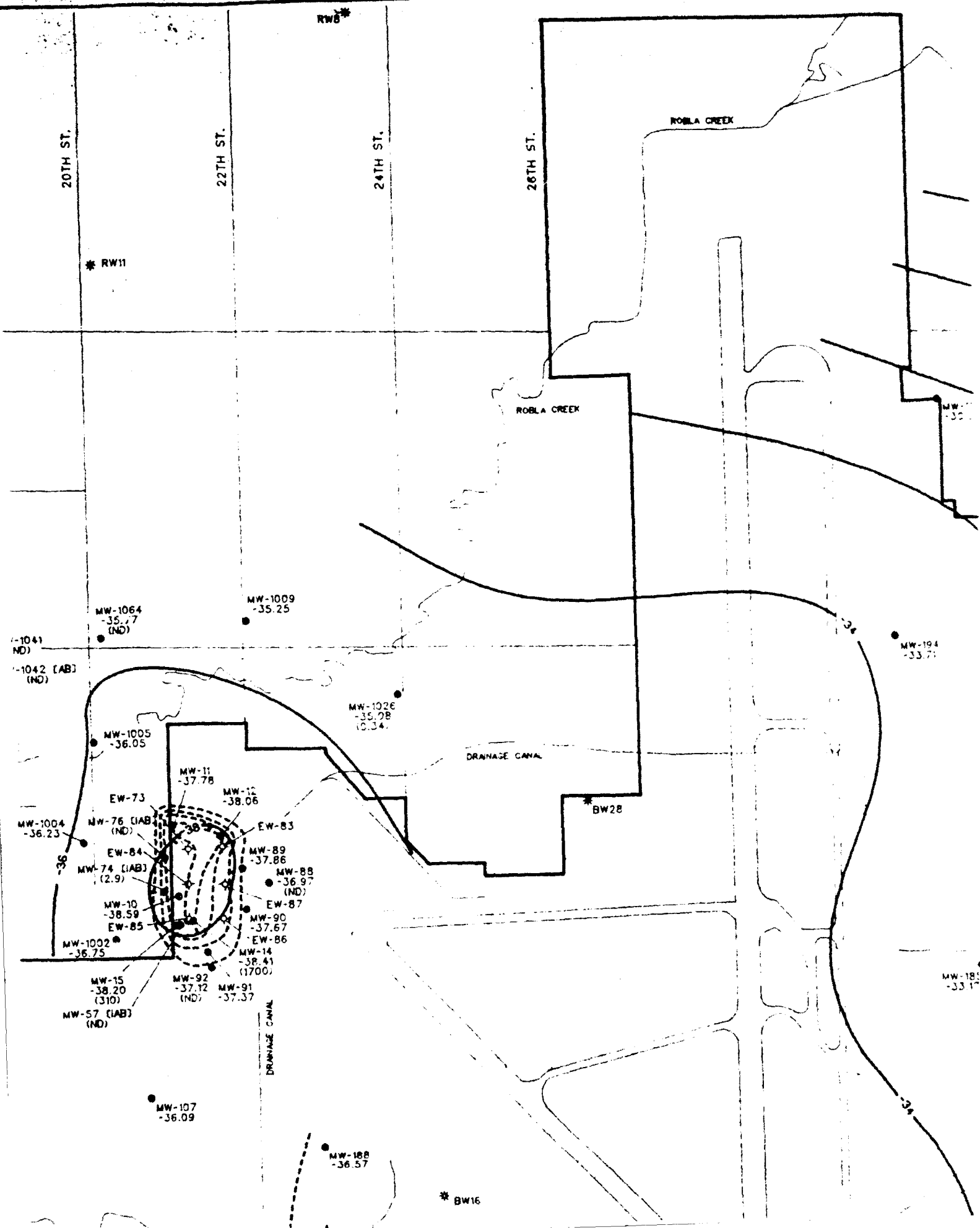
MW-74
-36.25

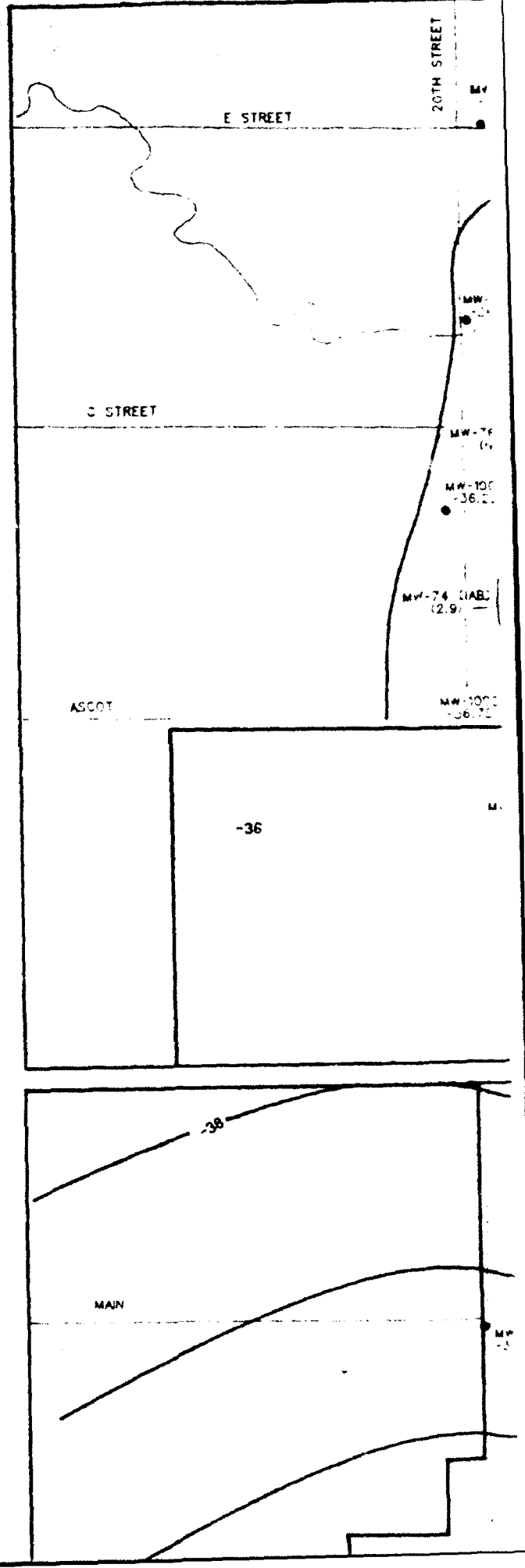
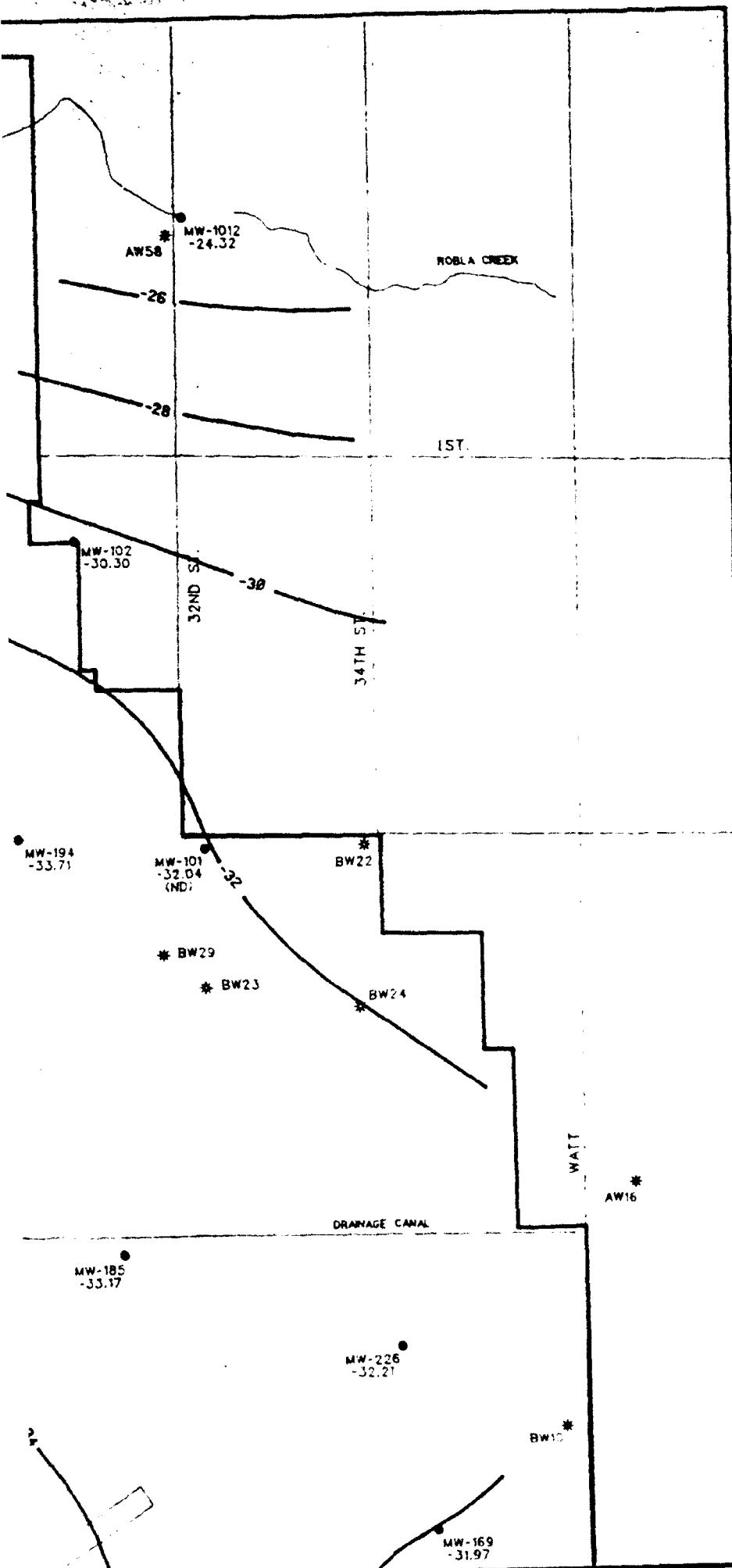
MW-1022
-36.75

MW-1015
-38.27
(310)

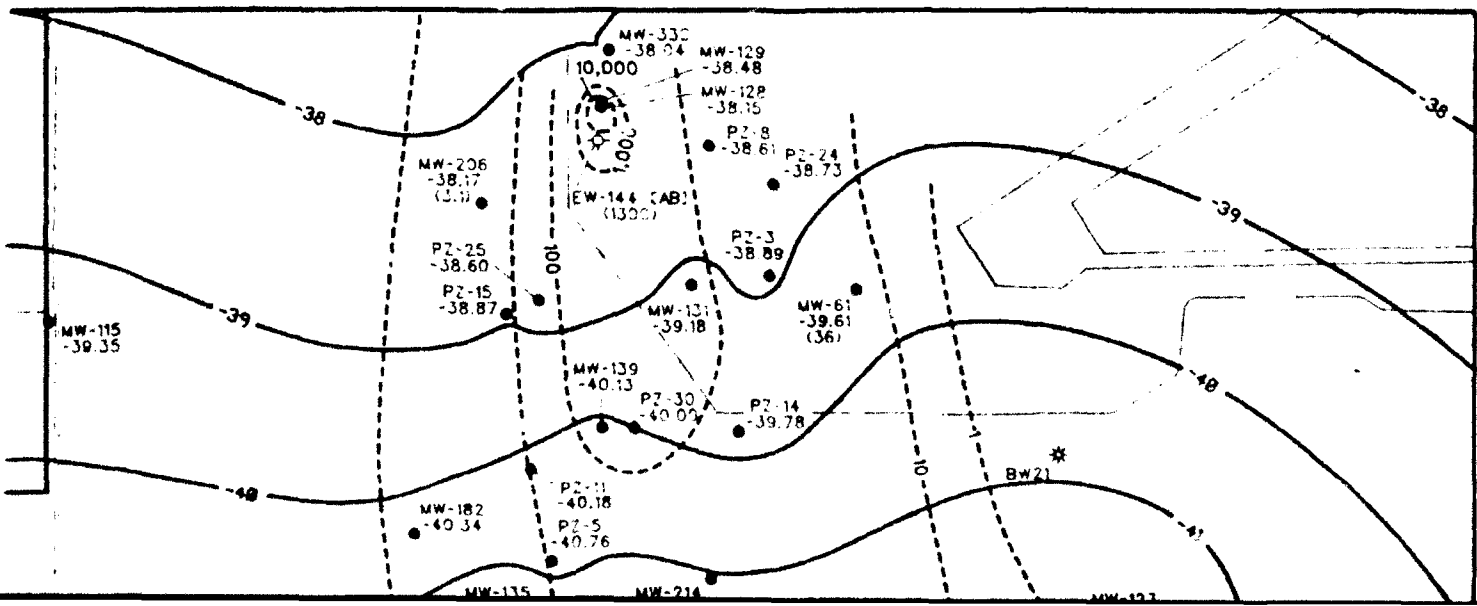
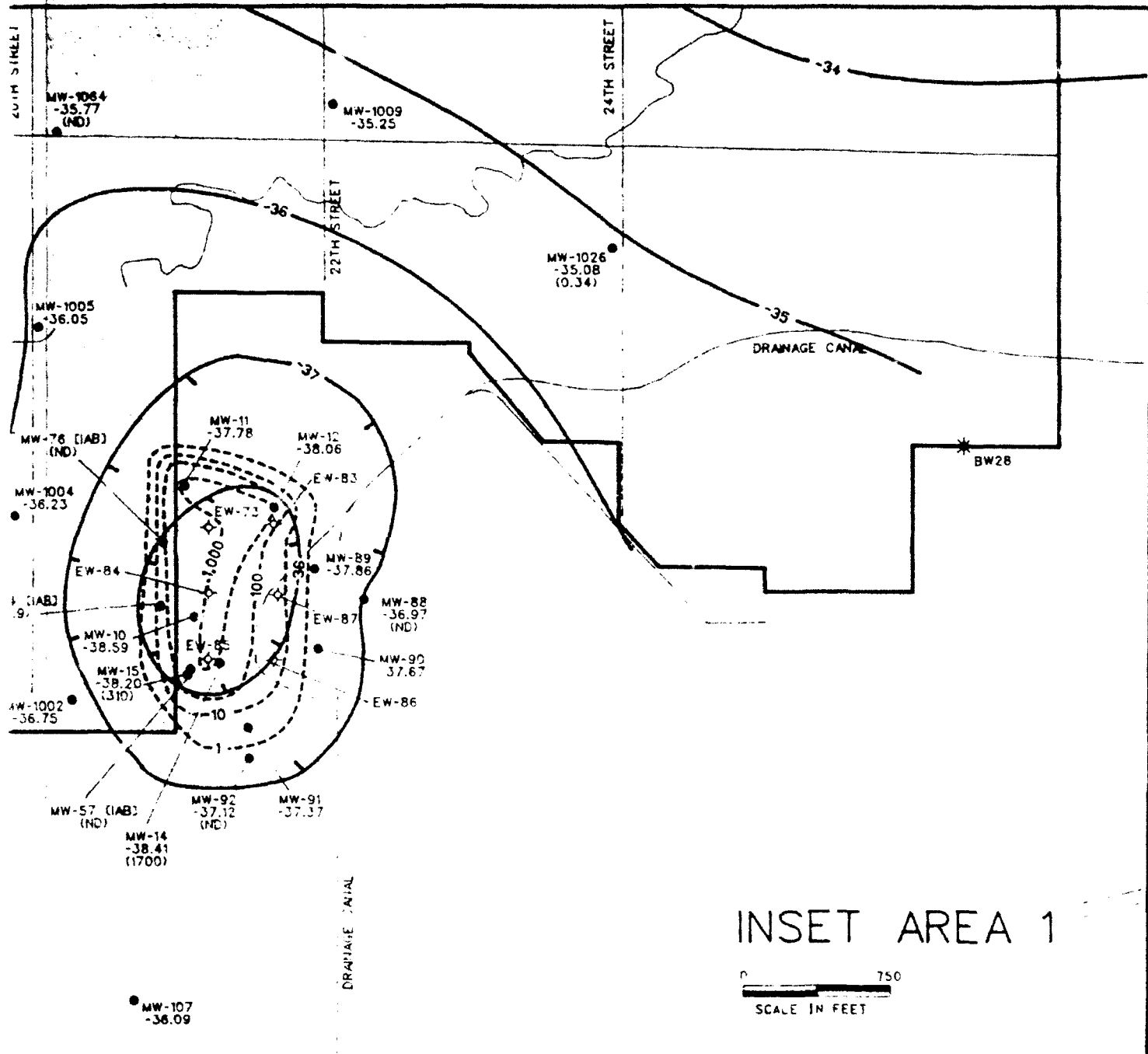
MW-57 (AB)
(ND)

DONALD CREEK

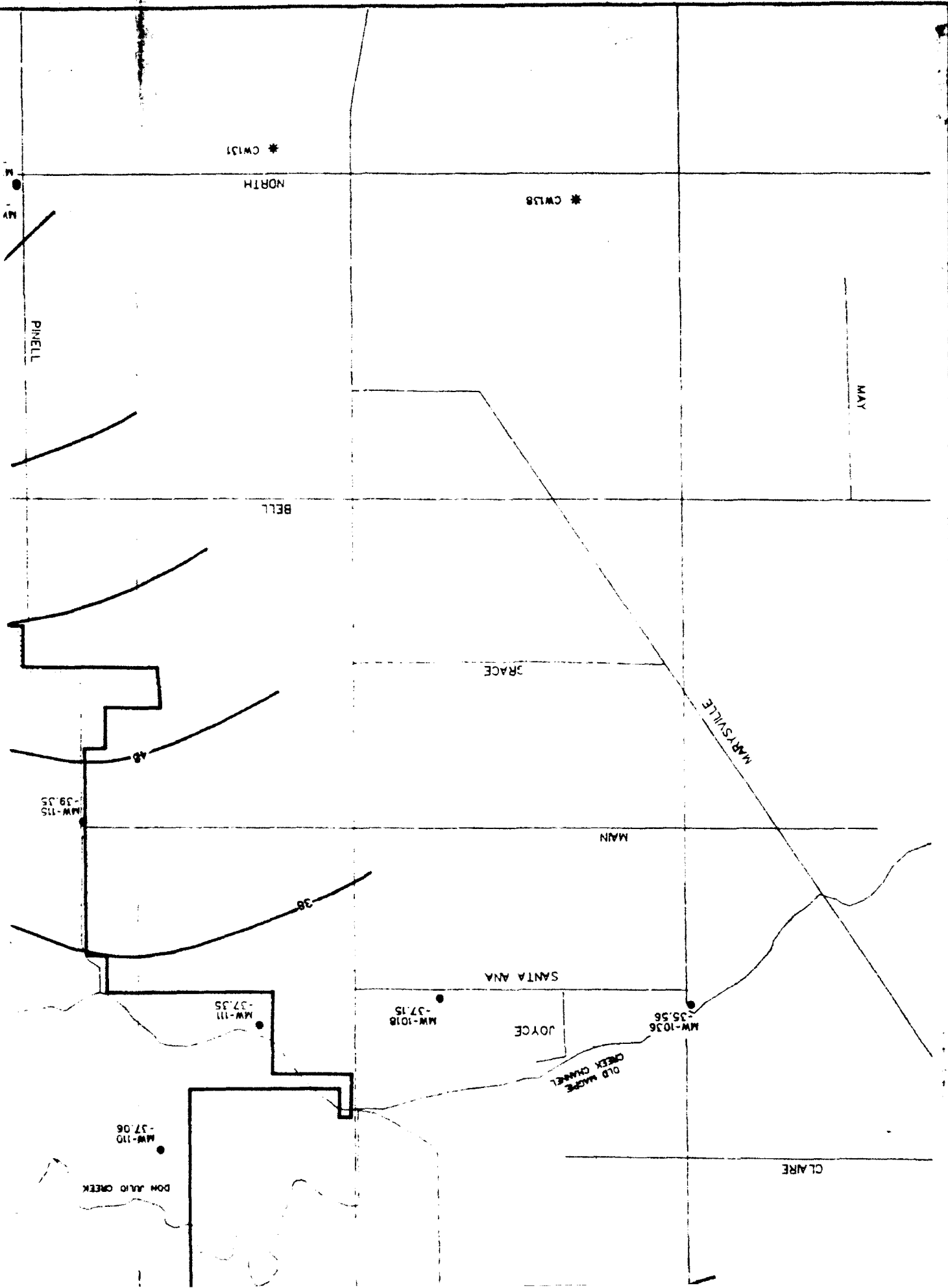


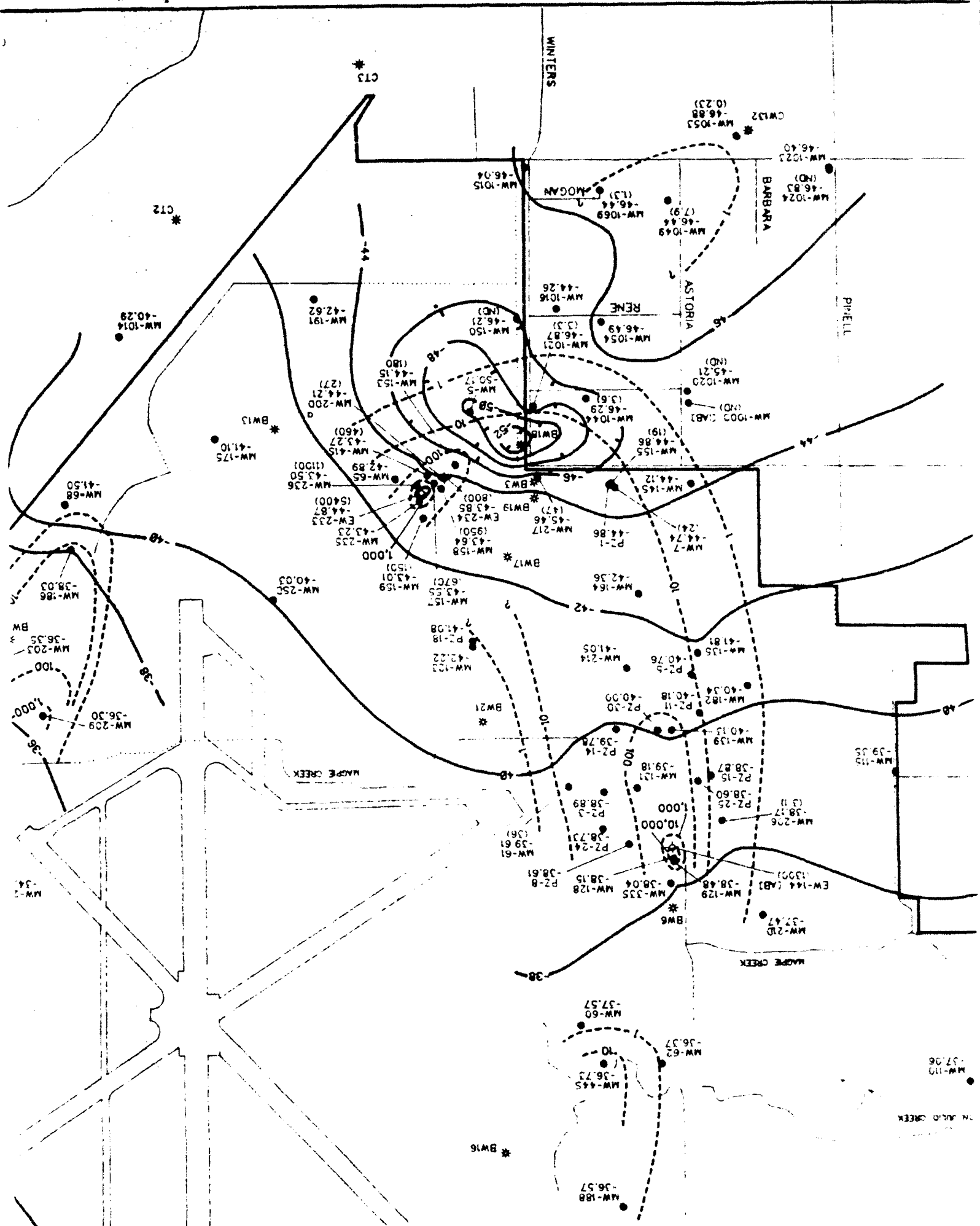


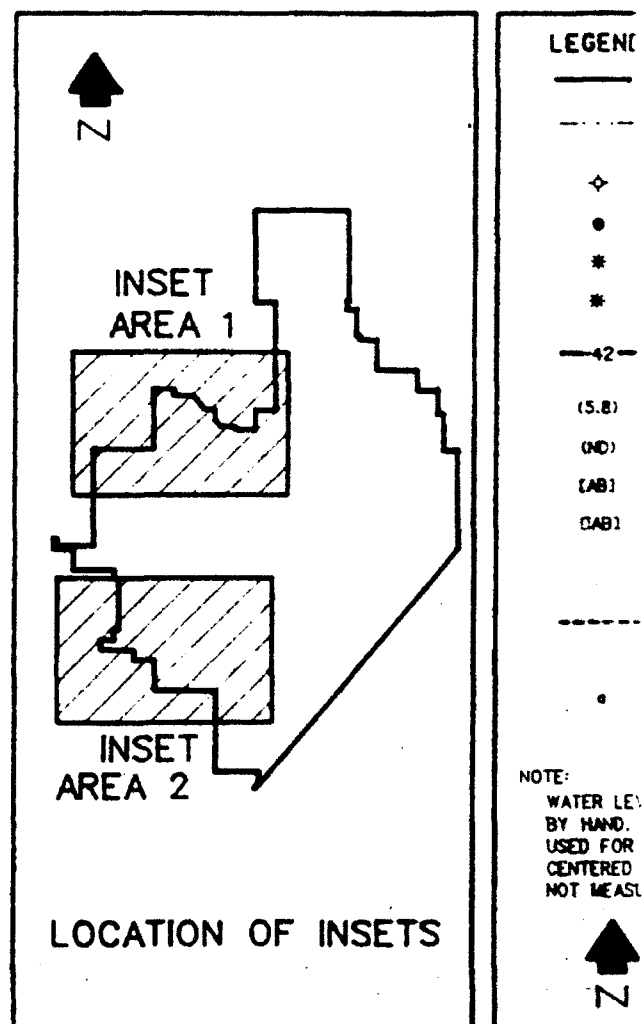
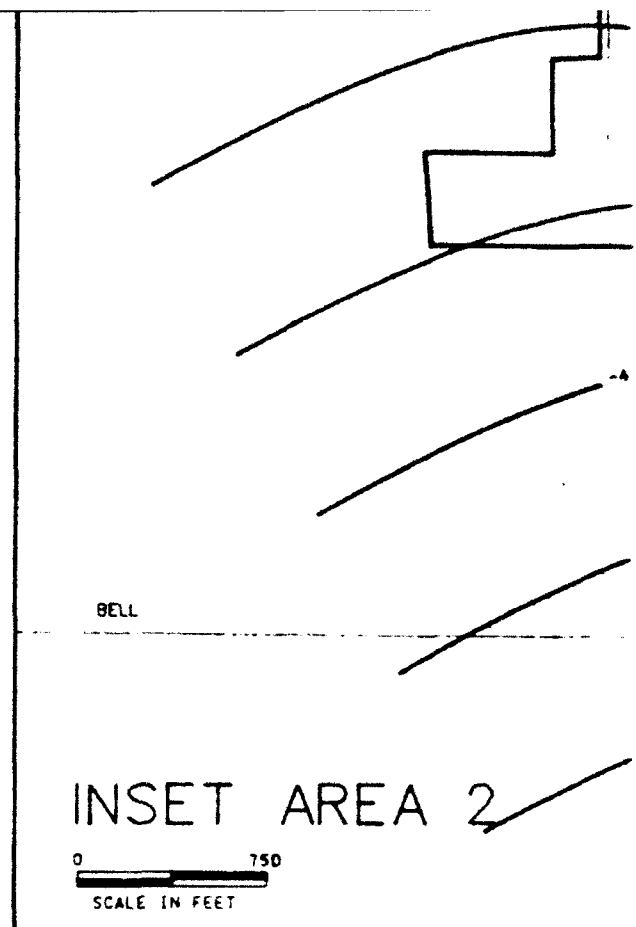
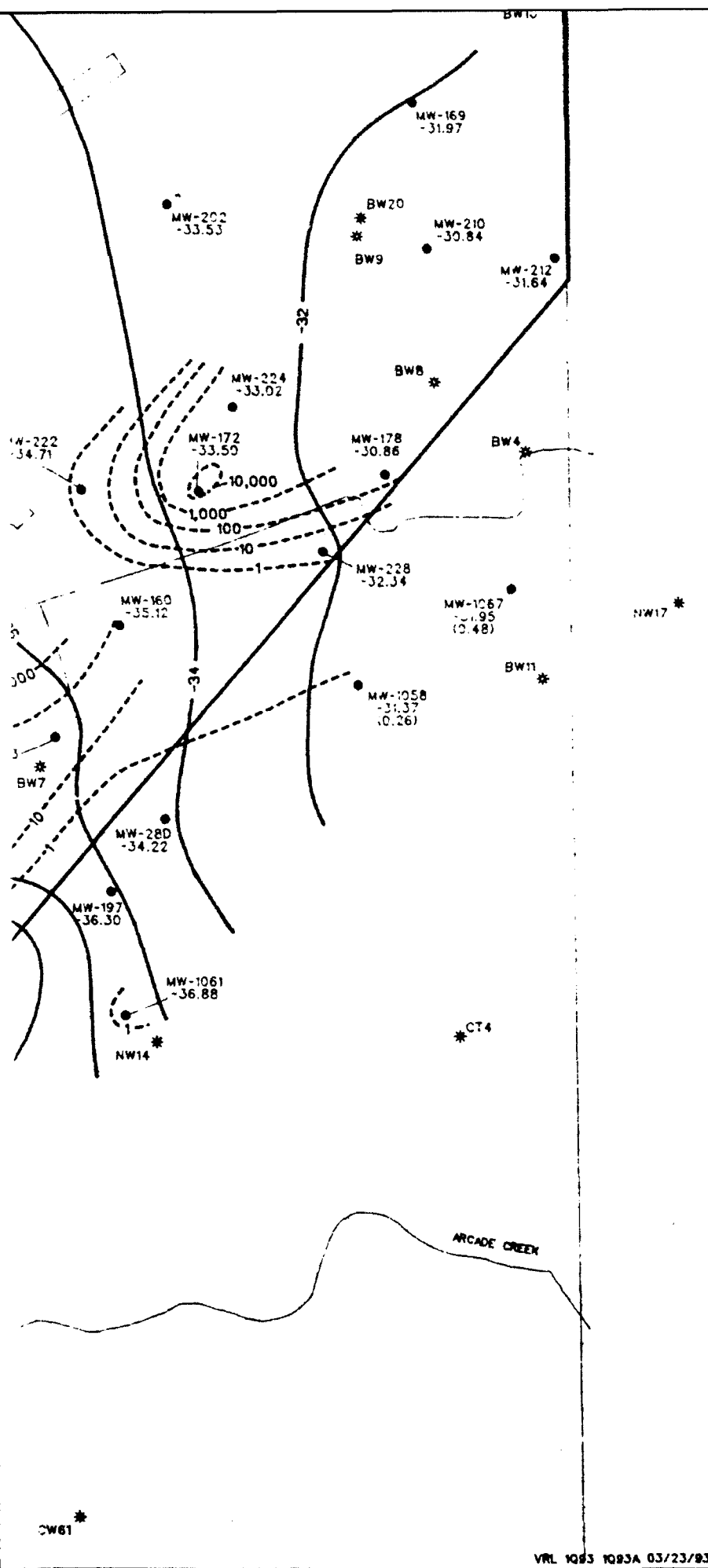
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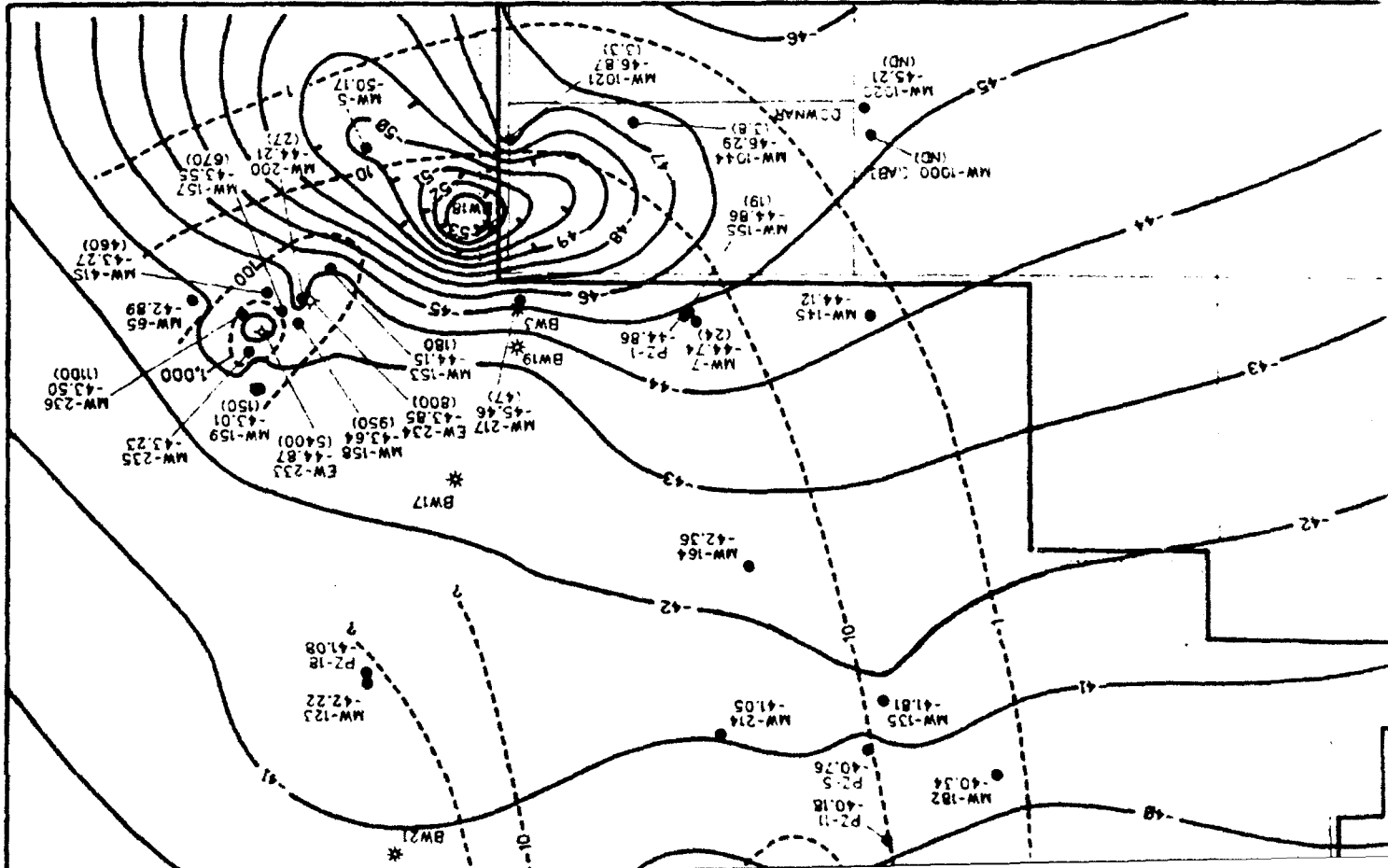


5









①

20TH ST.

ELKHORN

16TH ST.

1ST.

G ST.

* RW4

E ST.

MW-1042
-36.89
(12)

ROBLA CREEK

C ST.

DRY CREEK

MW-1037
-36.74

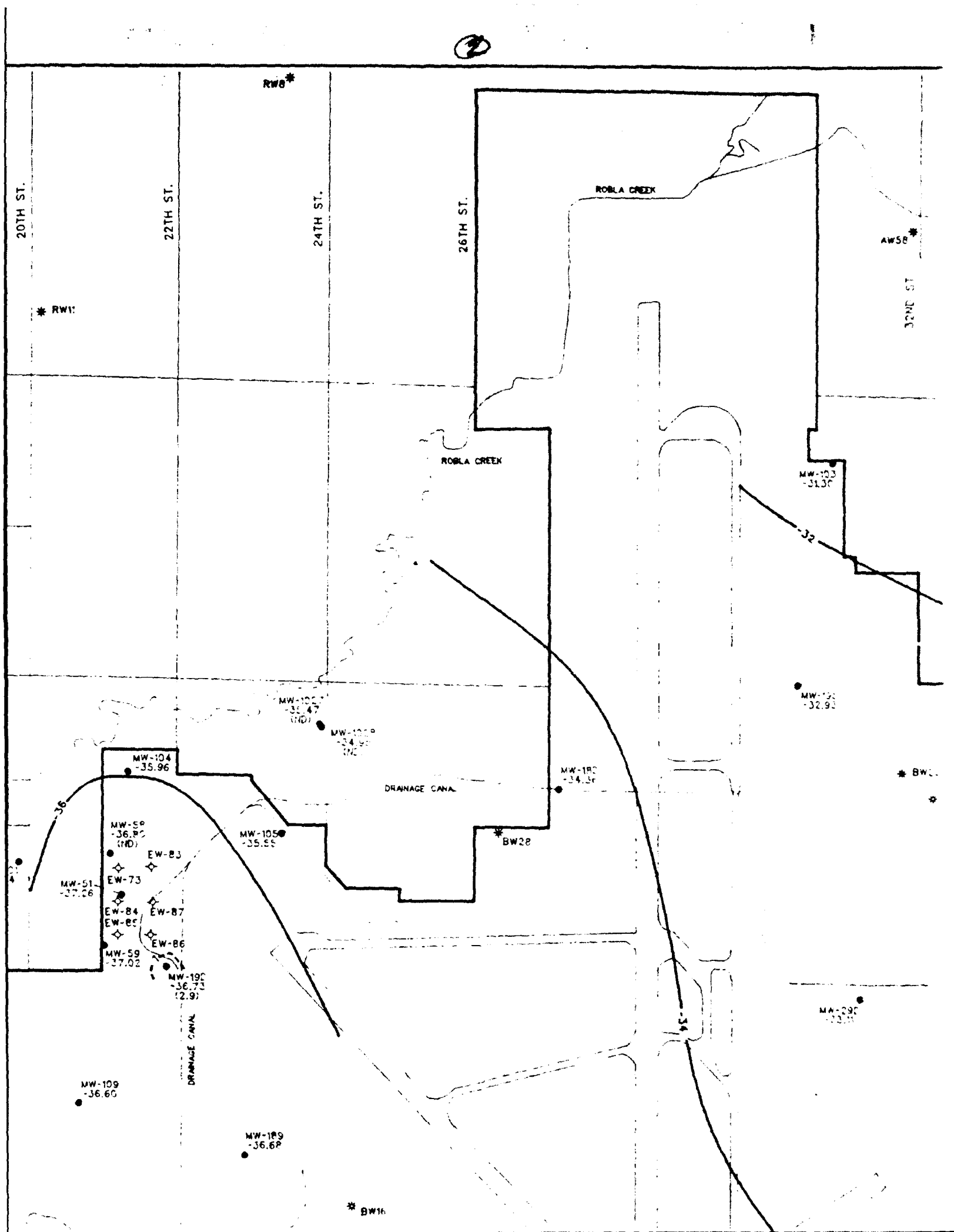
ASCOT

* CW154

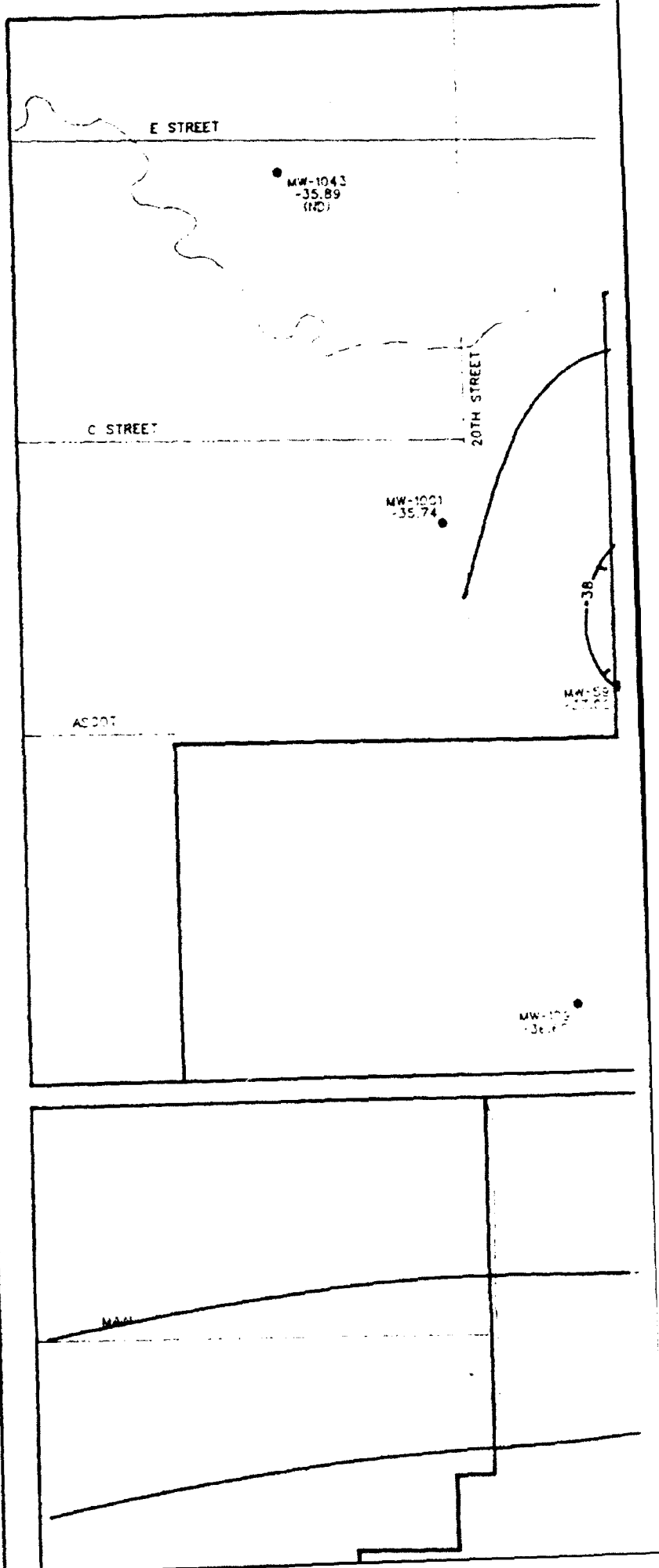
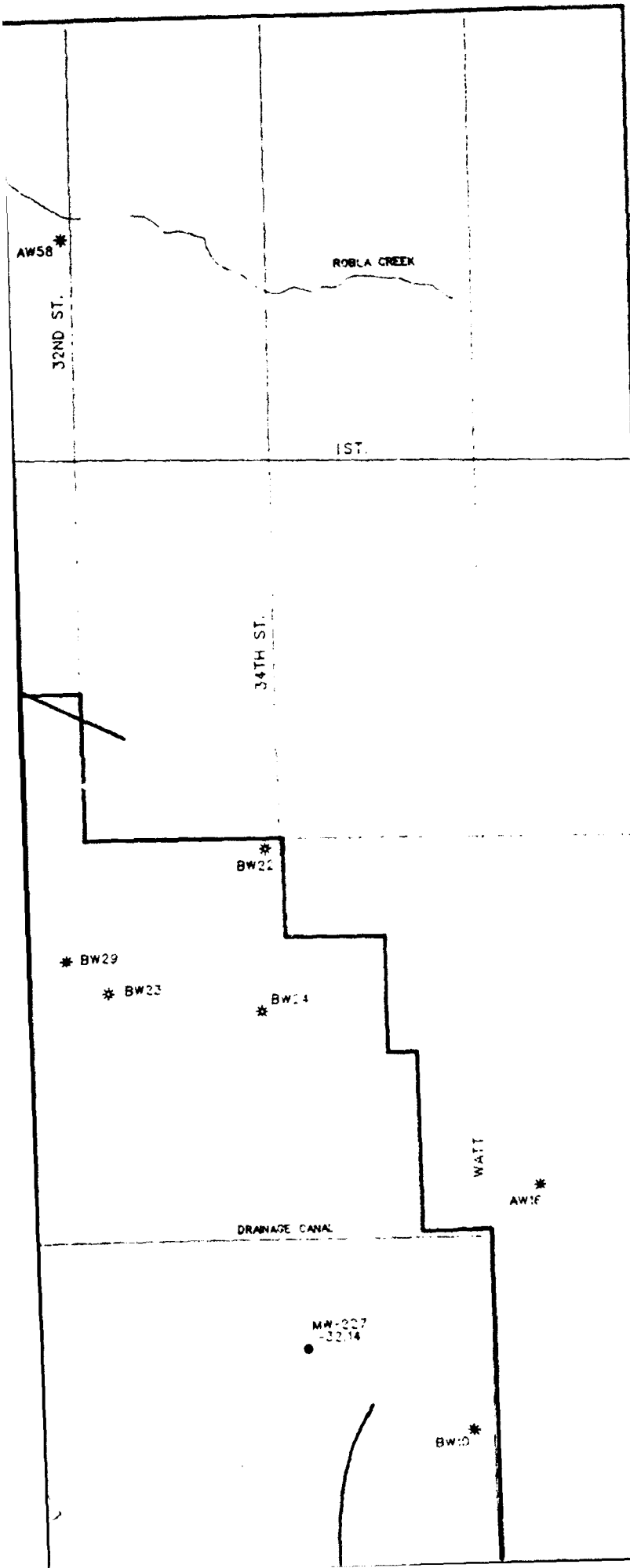
MW-1031
-36.66

MADRE CREEK

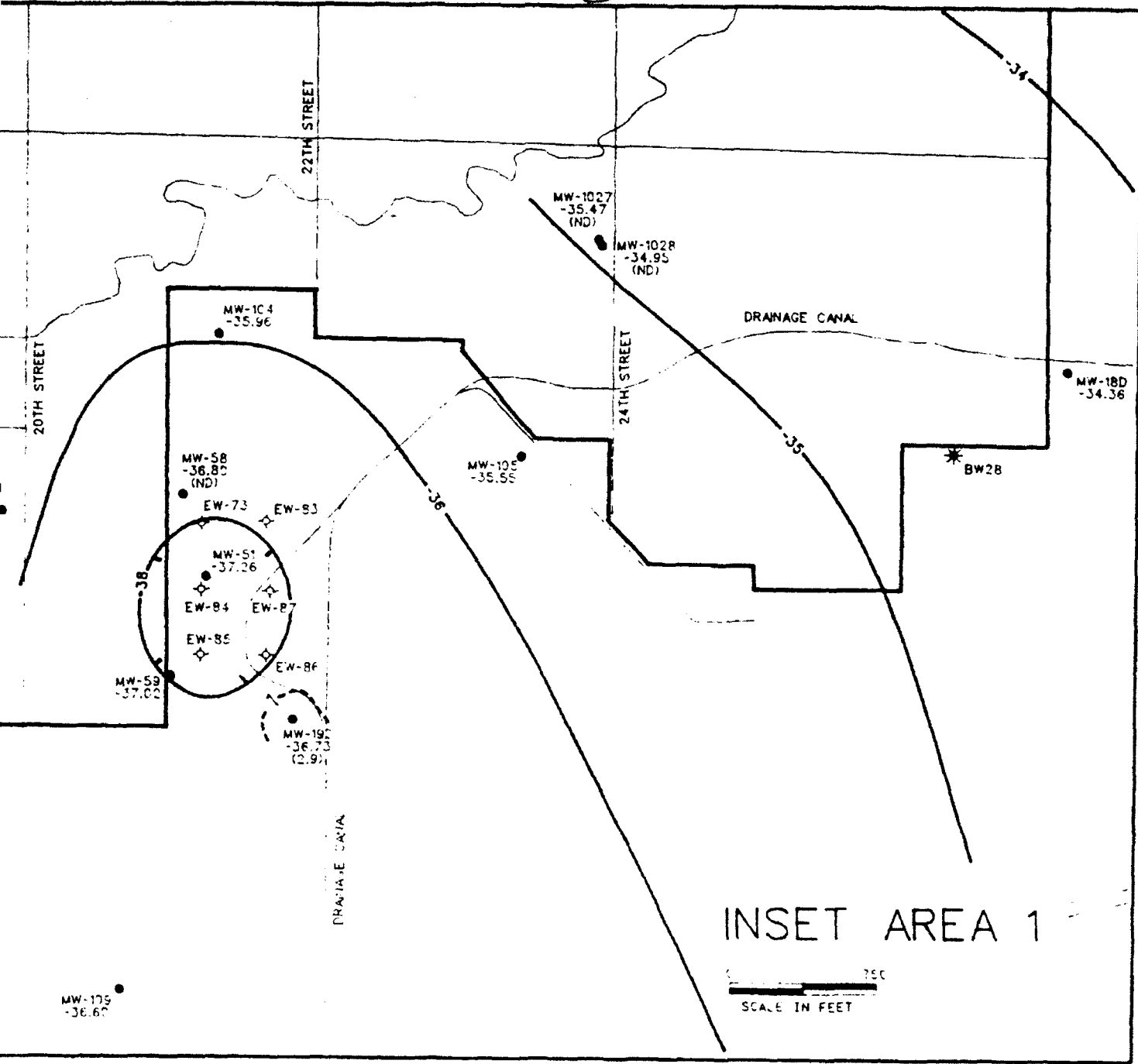
VINCI



⑧

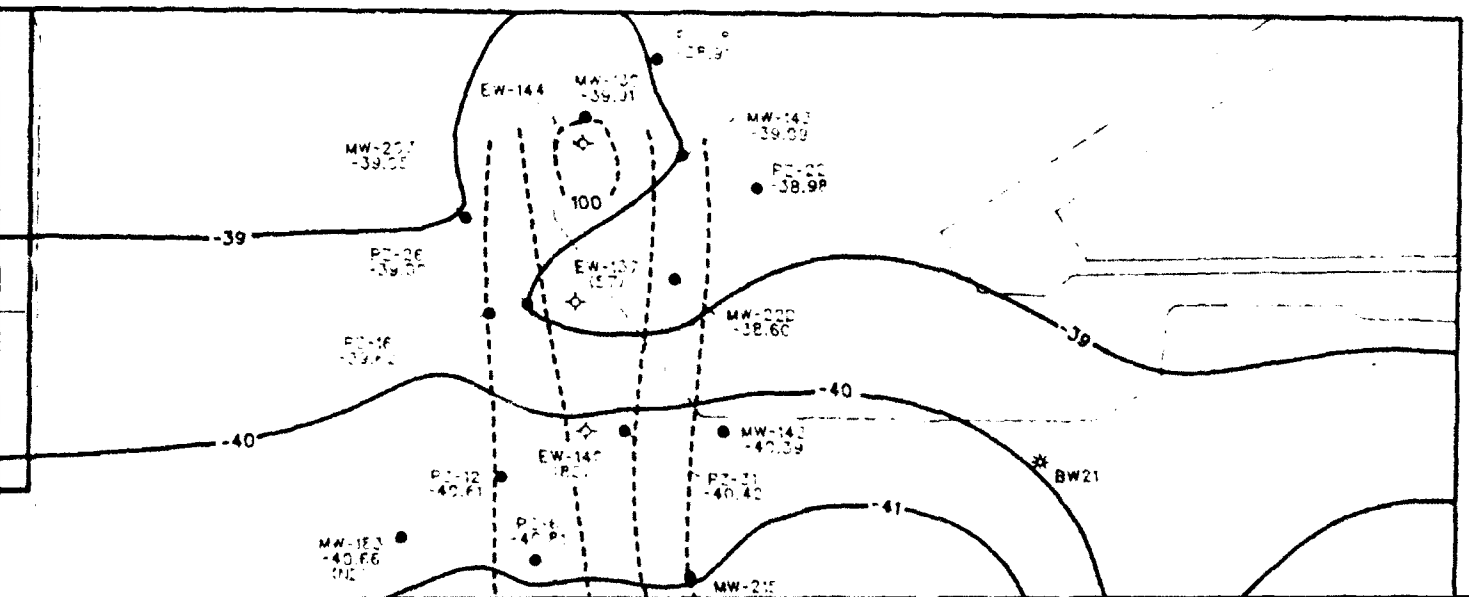


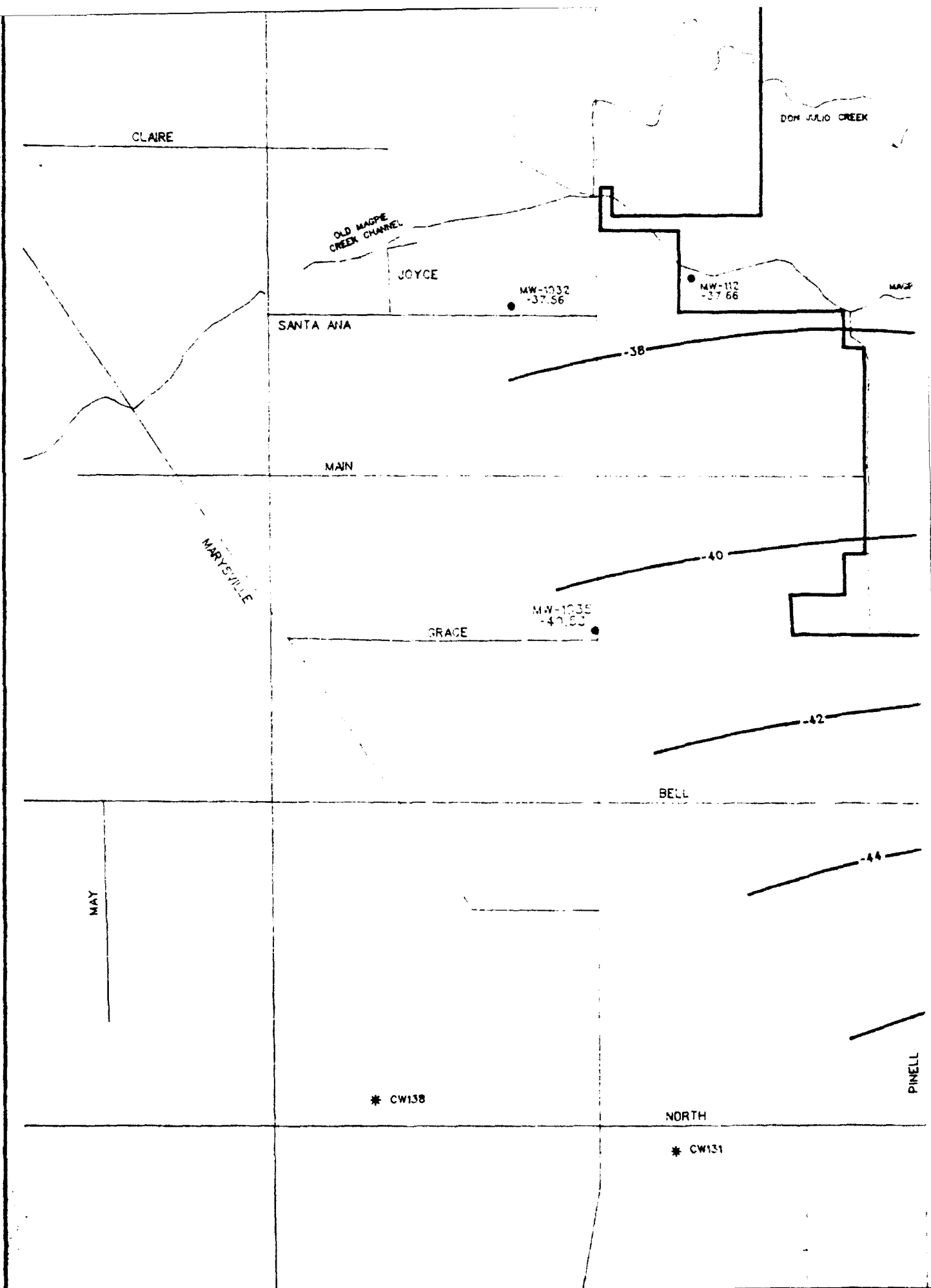
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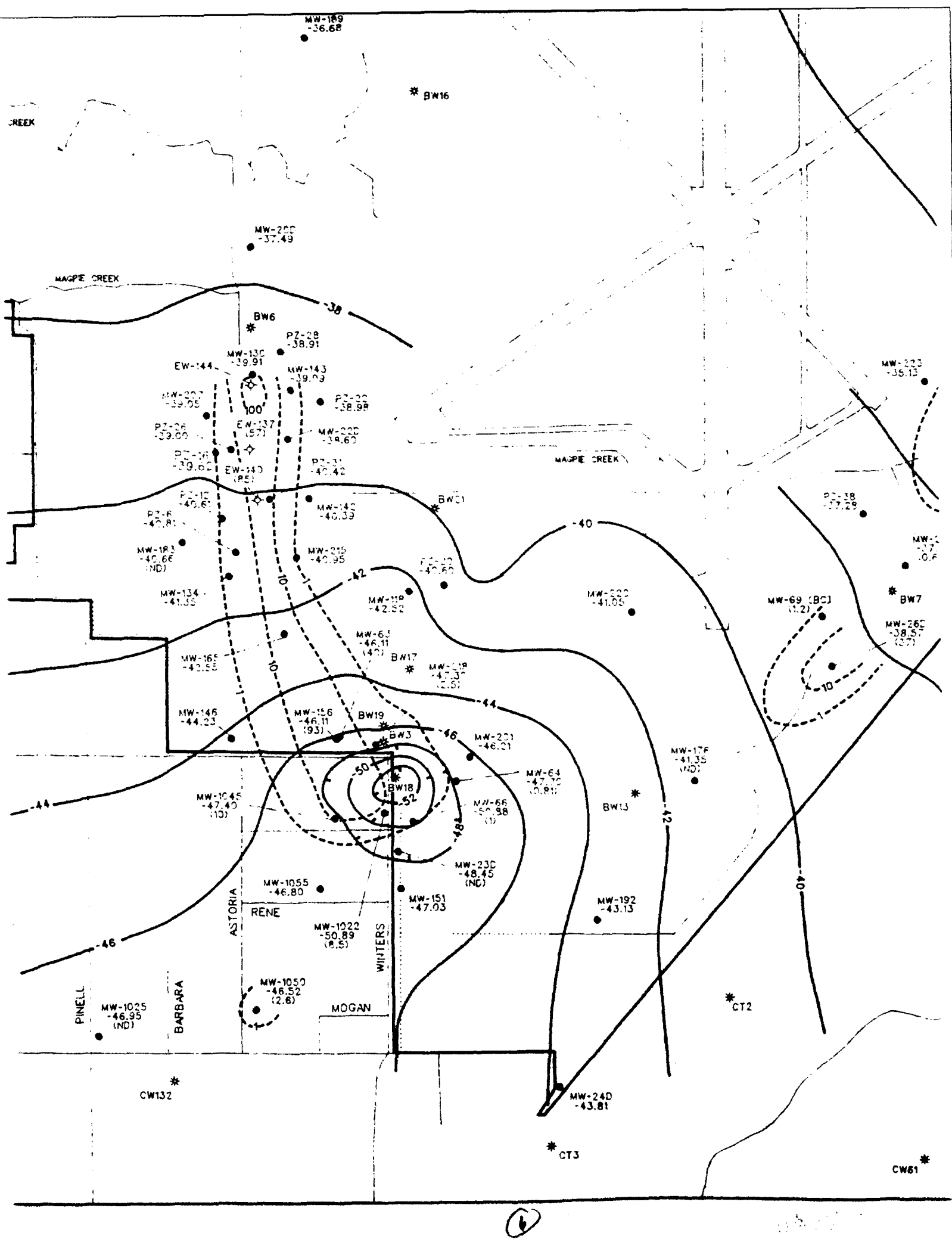


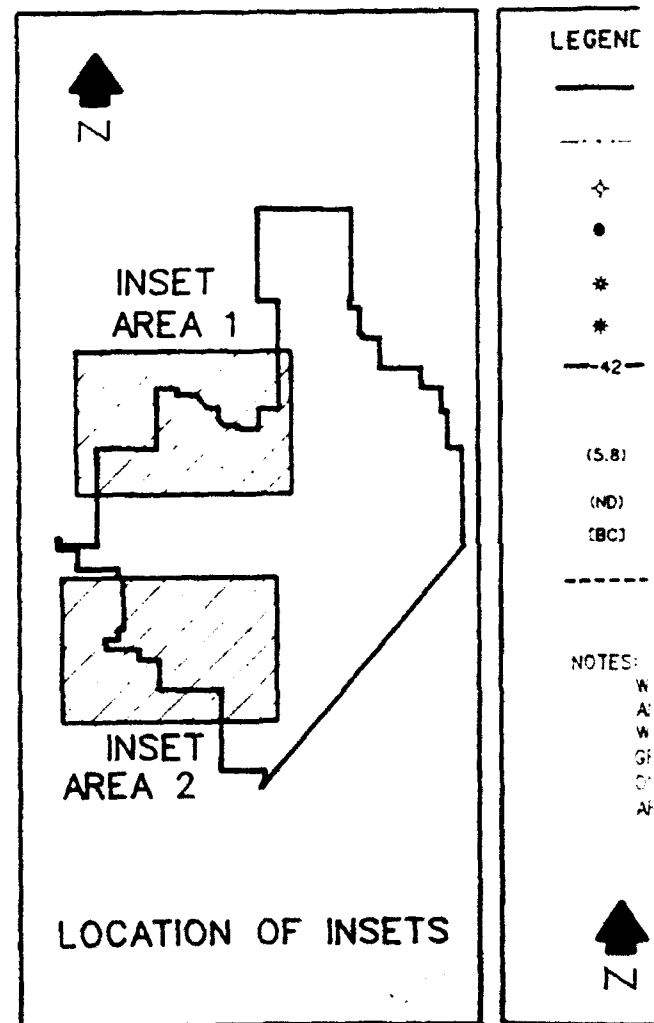
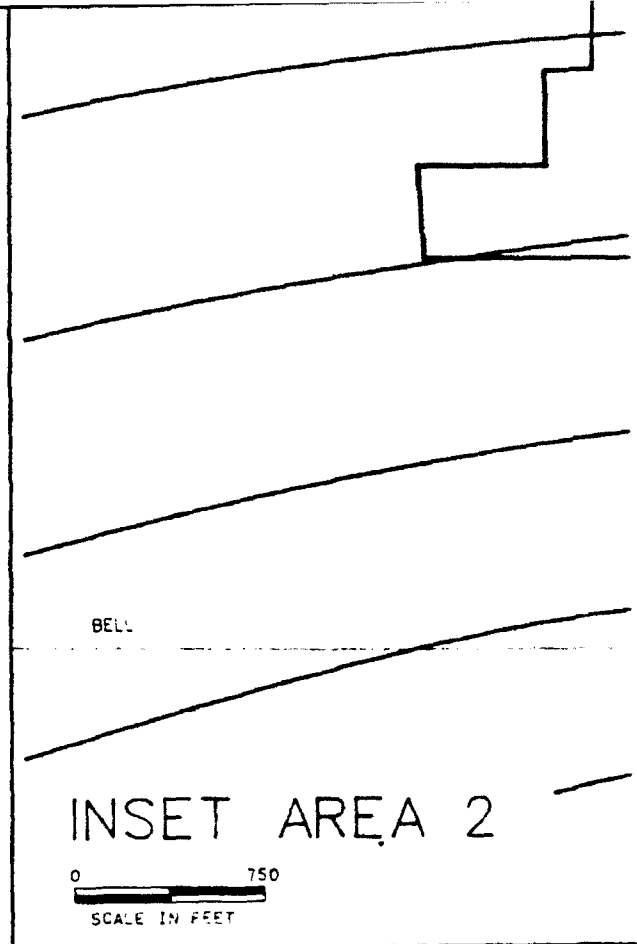
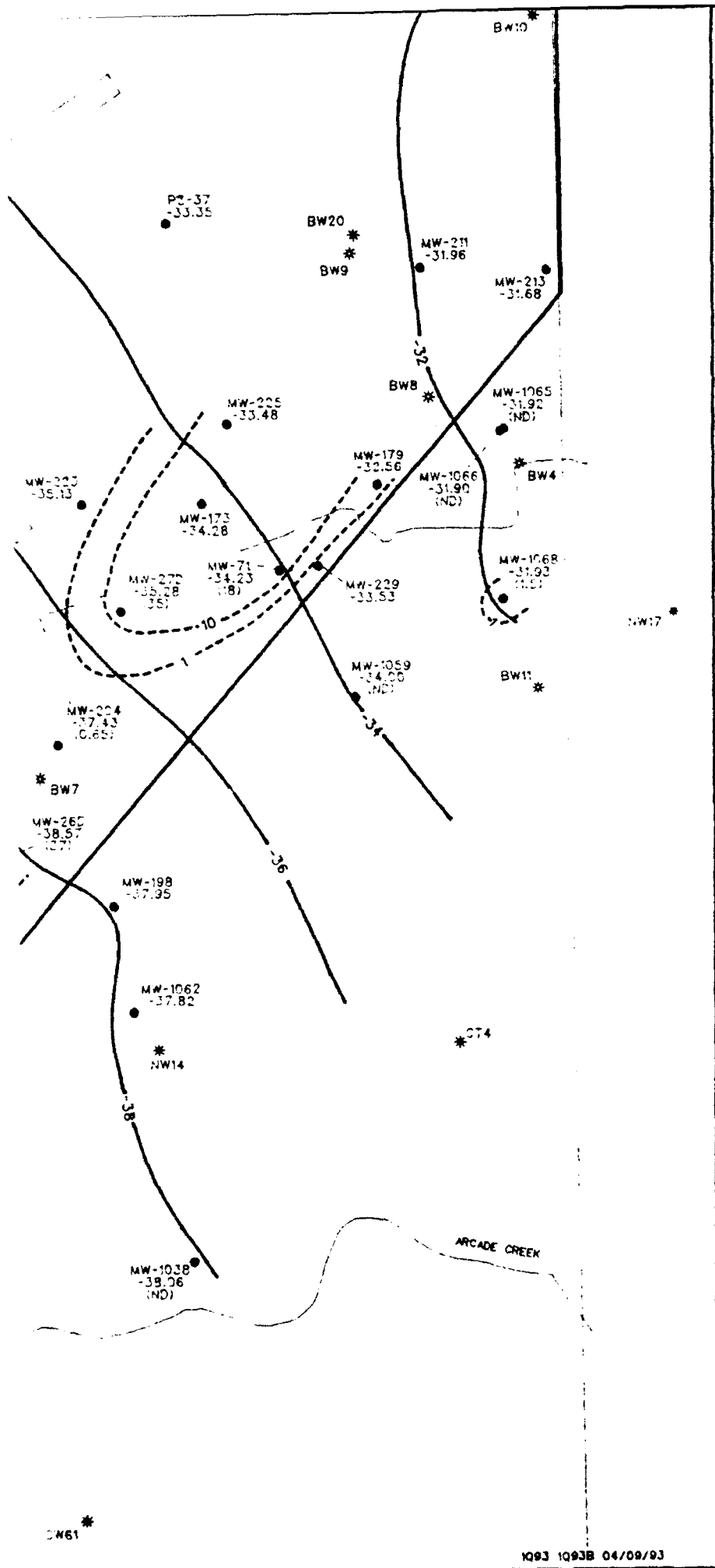
INSET AREA 1

750
SCALE IN FEET









RADIAN CORPORATION

①

20TH ST.

* P 2

16TH ST.

ELKHORN

1ST.

G ST.

* RW4

E ST.

ROBLA CREEK

C ST.

DRY CREEK

ASCOT

* CW154

MAPLE CREEK

VINCI

②

RWB*

22TH ST.

24TH ST.

26TH ST.

* RW11

ROBLA CREEK

* AW52

32ND ST.

ROBLA CREEK

MW-196
-32.83

* RW21

DRAINAGE CANAL

* BW28

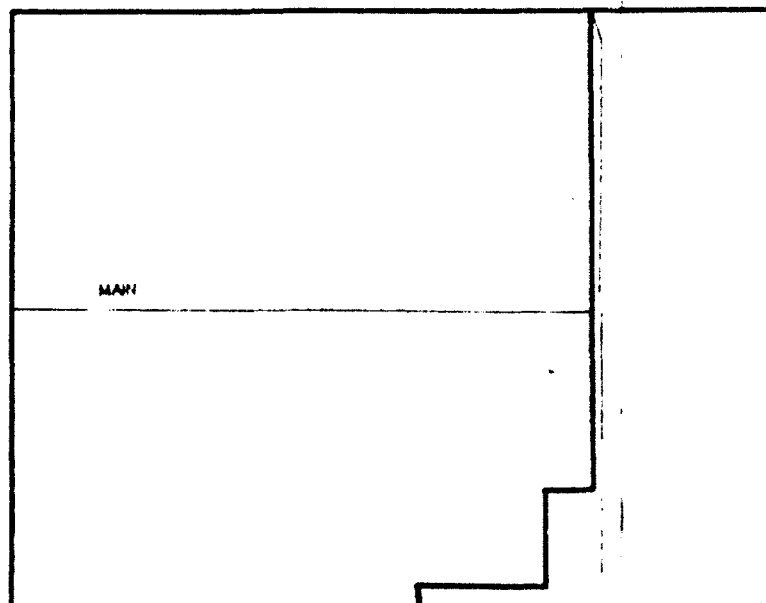
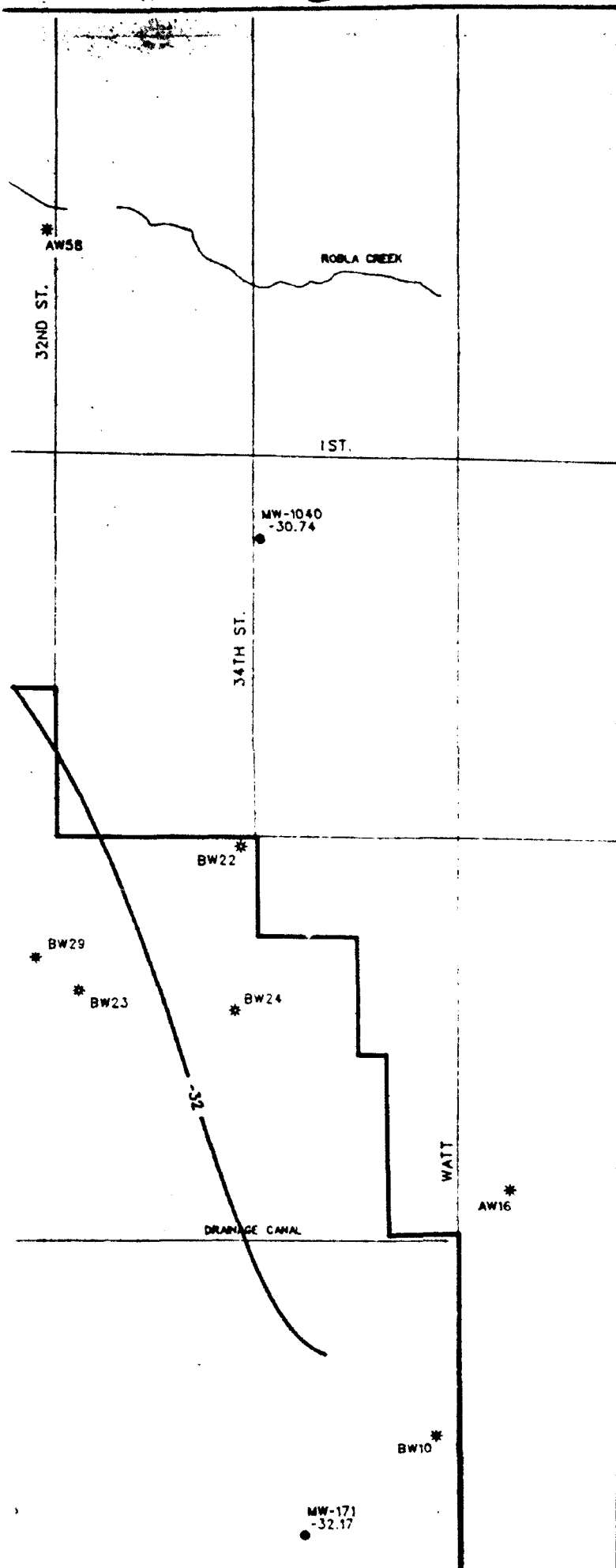
DRAINAGE CANAL

MW-190
-36.76

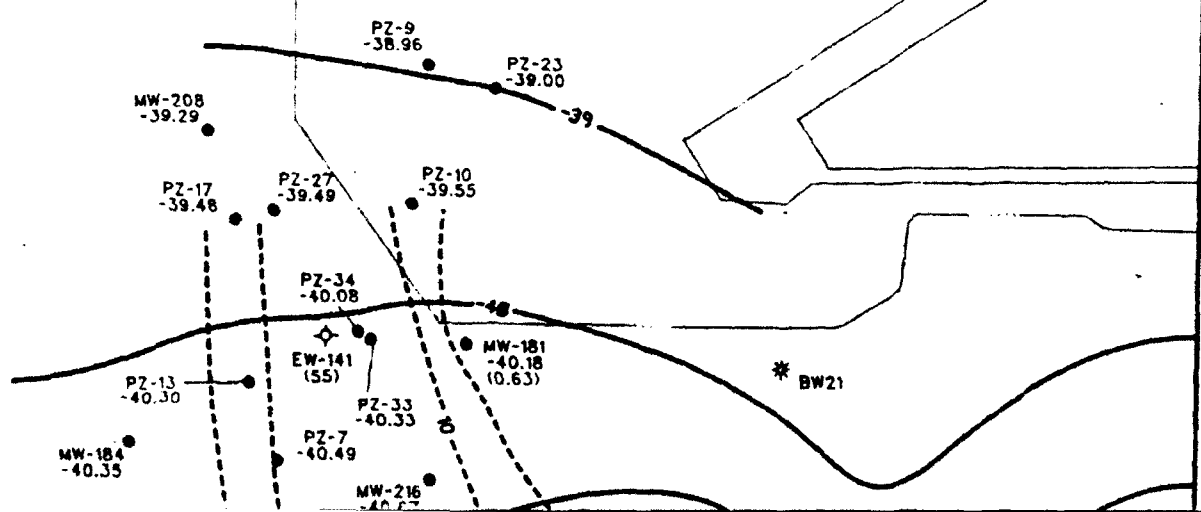
* BW16

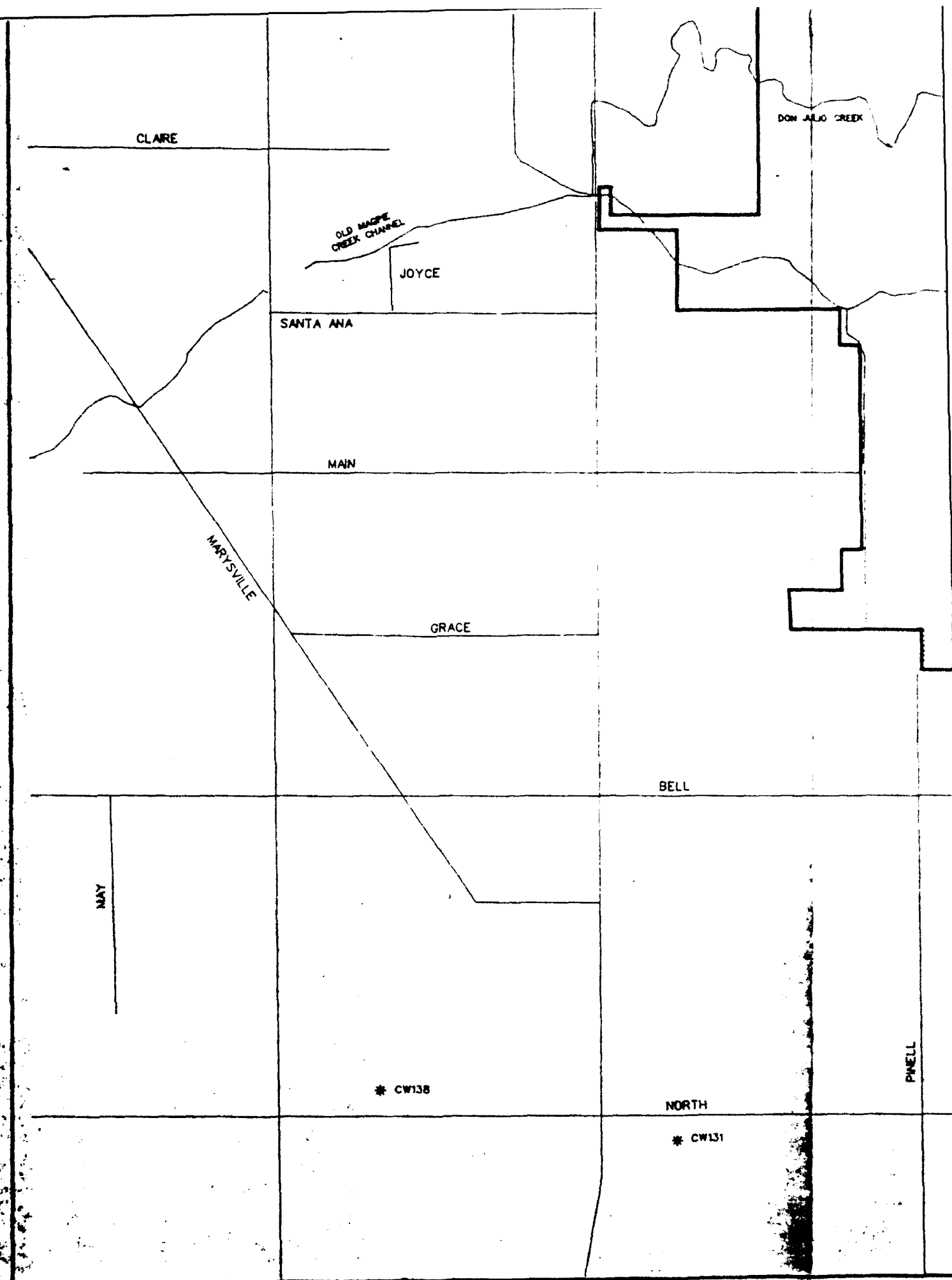
20TH ST.

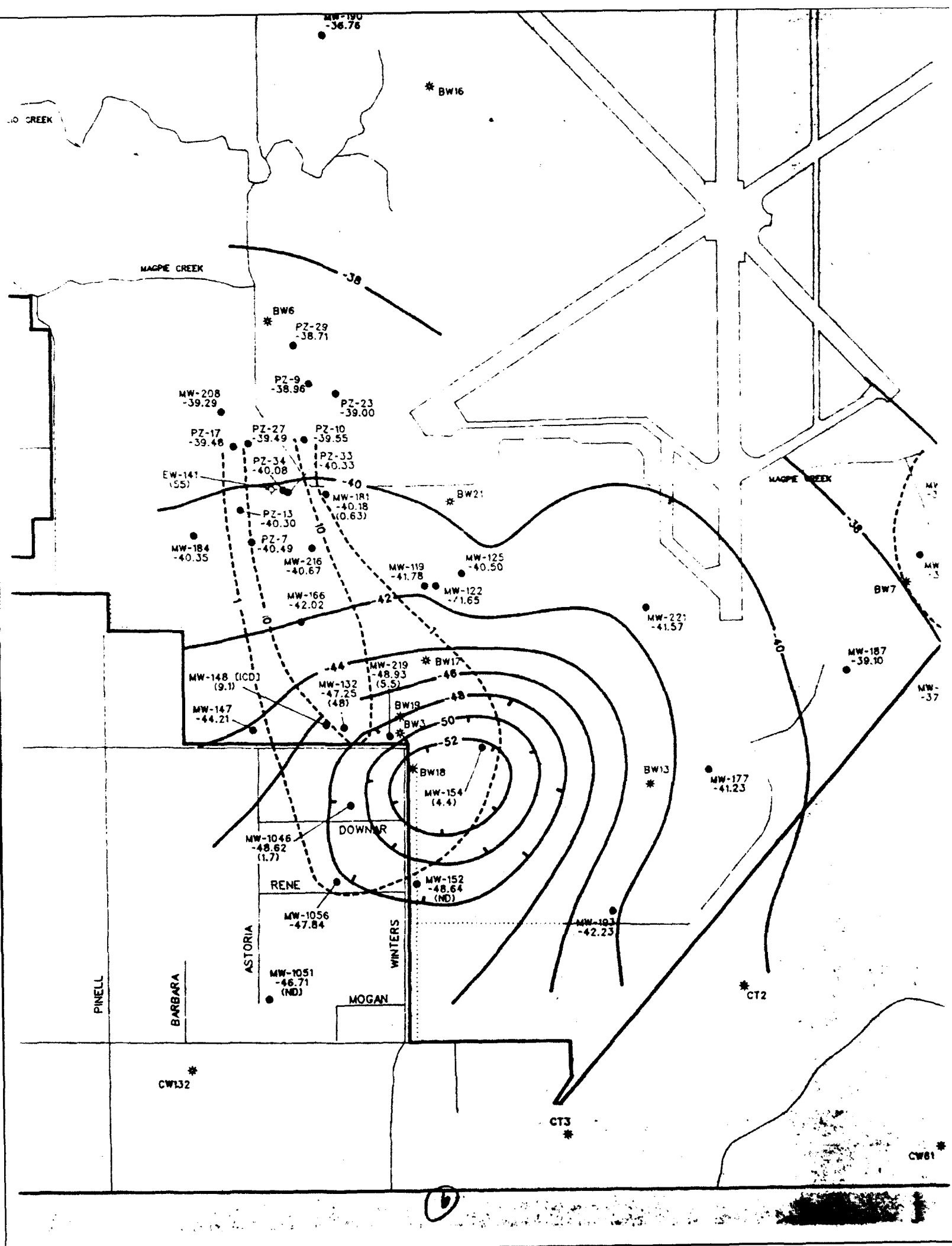
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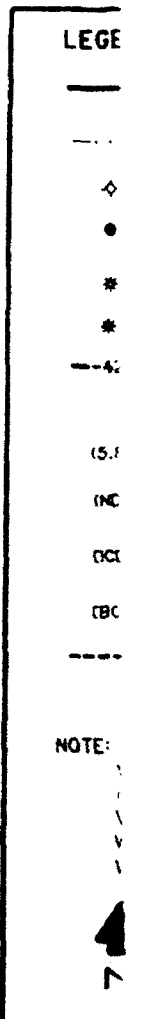
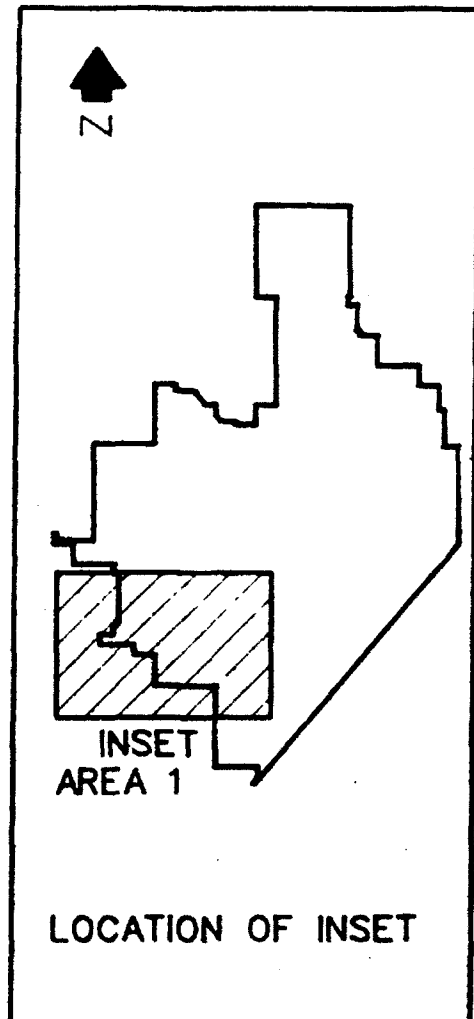
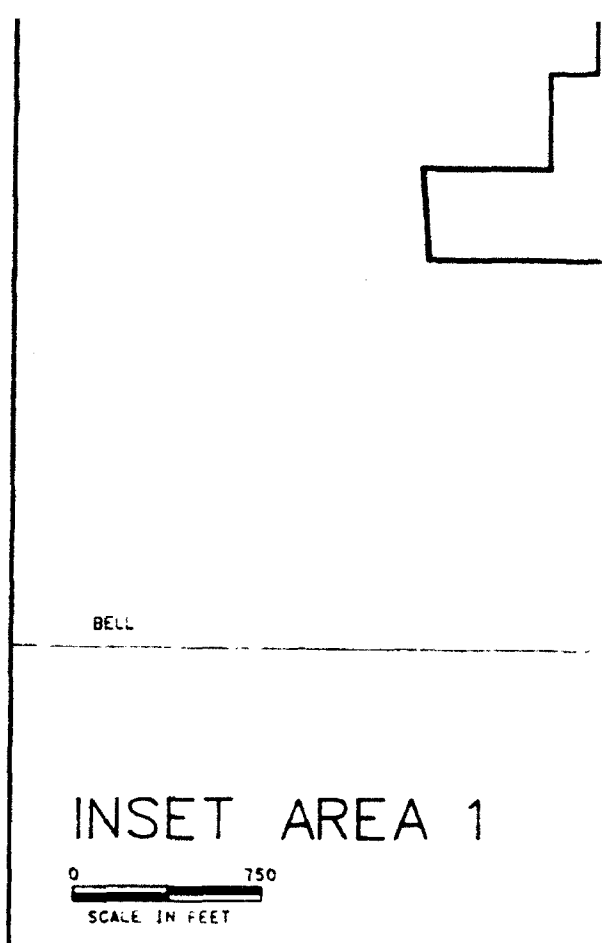
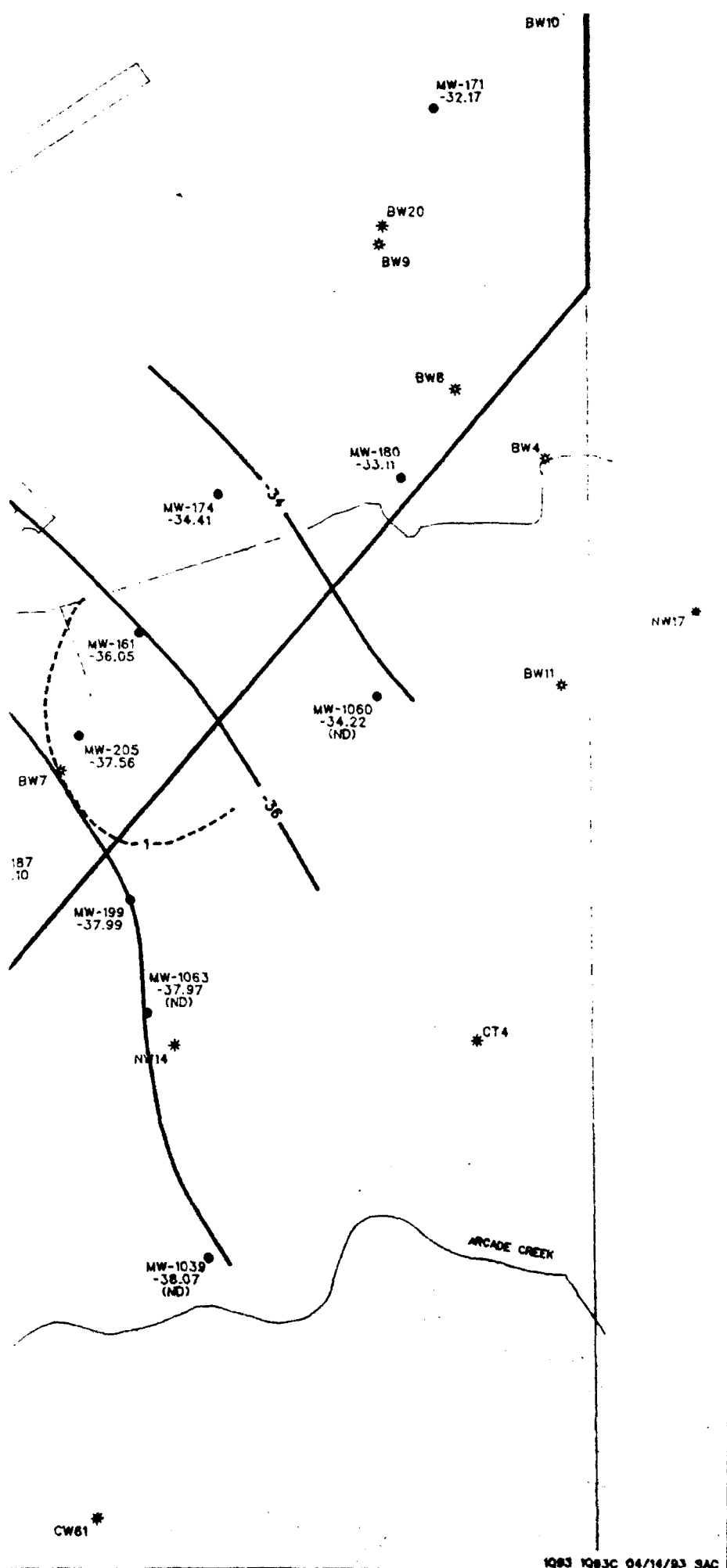


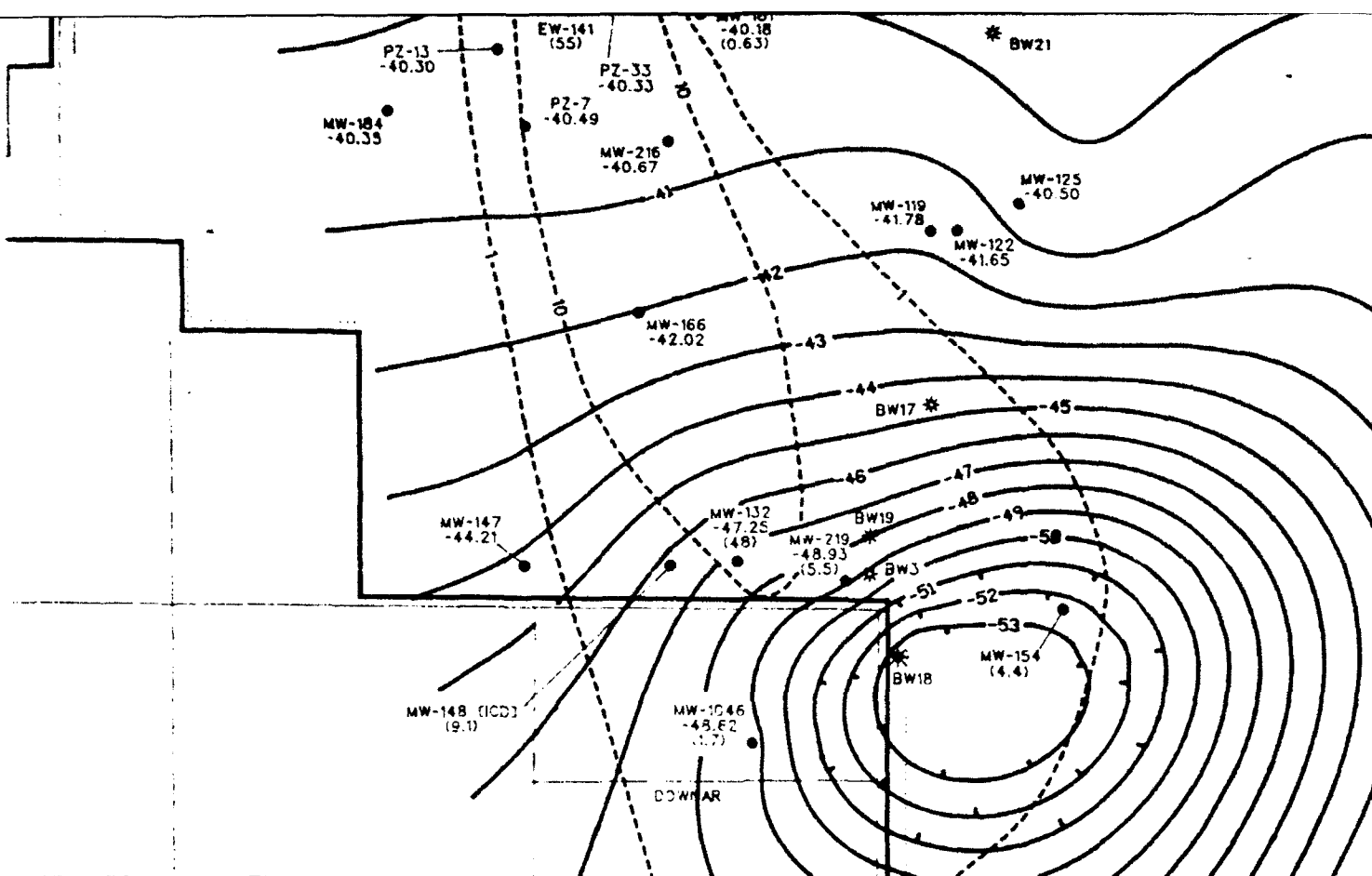
(4)











LEGEND:

- McCLELLAN AFB BOUNDARY
- STREAMS/DRAINAGE (DOTTED WHERE COVERED)
- ◇ EXTRACTION WELLS
- MONITORING WELLS AND PIEZOMETERS
- * WATER SUPPLY WELLS (INACTIVE)
- * WATER SUPPLY WELLS (ACTIVE)
- 42-- WATER LEVEL CONTOURS IN FEET MSL. HACHURES INDICATE DOWNGRAIENT DIRECTION.
- (5.8) TCE CONCENTRATIONS IN ug/L. TCE SAMPLES COLLECTED DURING 1993.
- (ND) TCE NOT DETECTED.
- (ICD) INTERMEDIATE WELL SCREENED BETWEEN THE C AND D ZONES. TCE CONCENTRATIONS USED TO DRAW C ZONE TCE ISOPLETH ONLY.
- (BC) WELL SCREENED IN ZONES DESIGNATED.
- ESTIMATED ISOPLETH OF TCE CONCENTRATIONS USING DATA FROM JULY, 1991 THROUGH MARCH 1993. ISOPLETH INTERVAL: 10²ug/L.

NOTE: WATER LEVEL CONTOURS GENERATED BY CPS/PC[®] AND CORRECTED BY HAND. ONLY WELLS WITH WATER LEVEL VALUES SHOWN WERE USED FOR CONTOURING. GROUND-WATER DEPRESSIONS MAY NOT BE CENTERED ON PUMPING WELLS BECAUSE WATER LEVELS ARE NOT MEASURED.



0 1000
SCALE IN FEET

PLATE 4.

WATER LEVEL CONTOURS AND ESTIMATED TRICHLOROETHENE CONCENTRATION ISOPLETHS FOR C ZONE MONITORING AND EXTRACTION WELLS

Water Level Data Collected
January 4, 5, and 6, 1993
TCE Data Collected First Quarter 1993

McCLELLAN AFB
Groundwater Sampling
& Analysis Program
January-March 1993

LATEST REVISION: VRL DATE: 4-21-92

GENERATED BY: Mark W. Little DATE: 4-15-93

PEER REVIEW: Donna A. Stanley DATE: 4/15/93

PROJECT REVIEW: Cpl. K. W. DATE: 4/15/93

RADIAN
CORPORATION

(D)

20TH ST.

16TH ST.

ELKHORN

1ST.

G ST.

* RW4

E ST.

ROBLA CREEK

C ST.

DRY CREEK

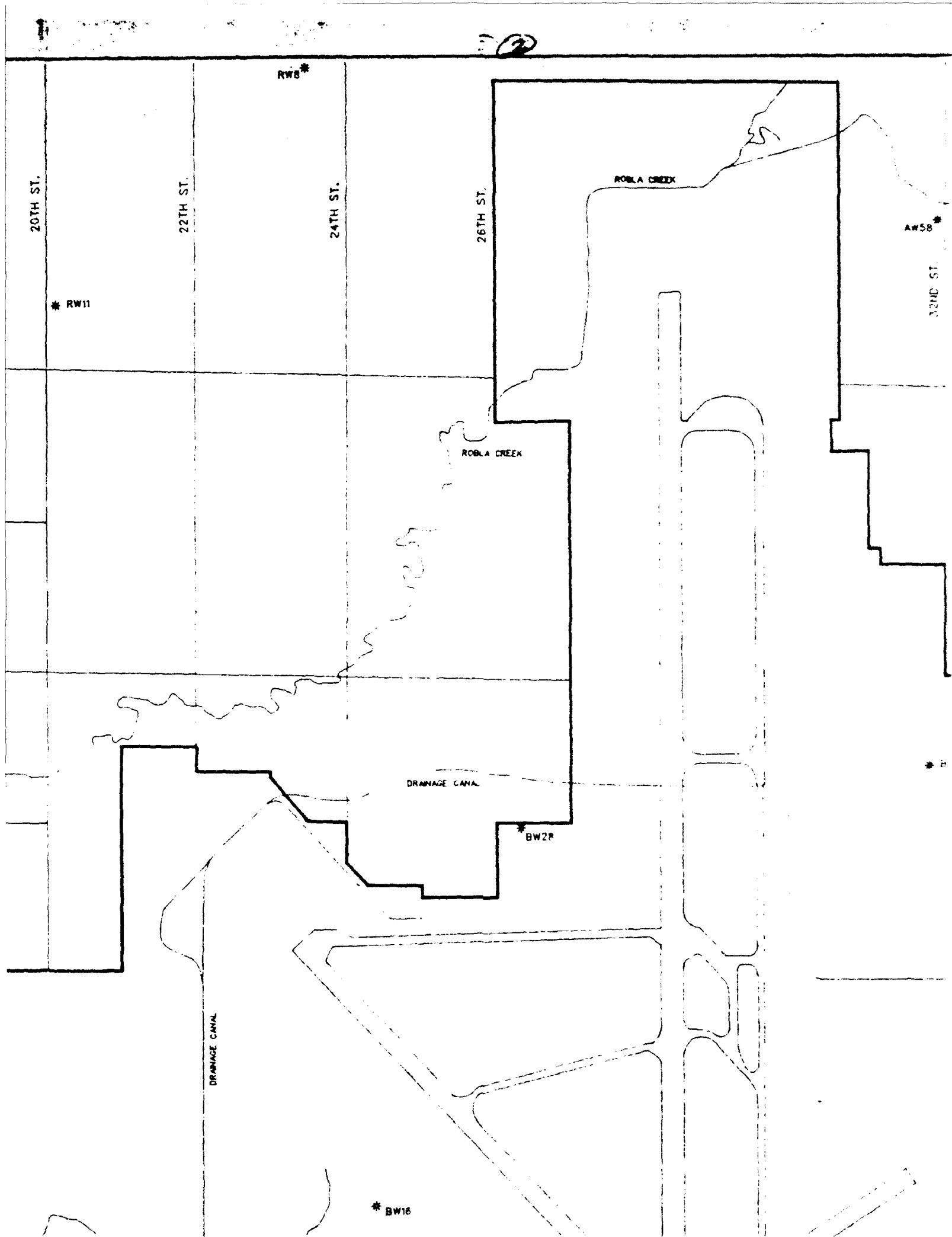
ASCOT

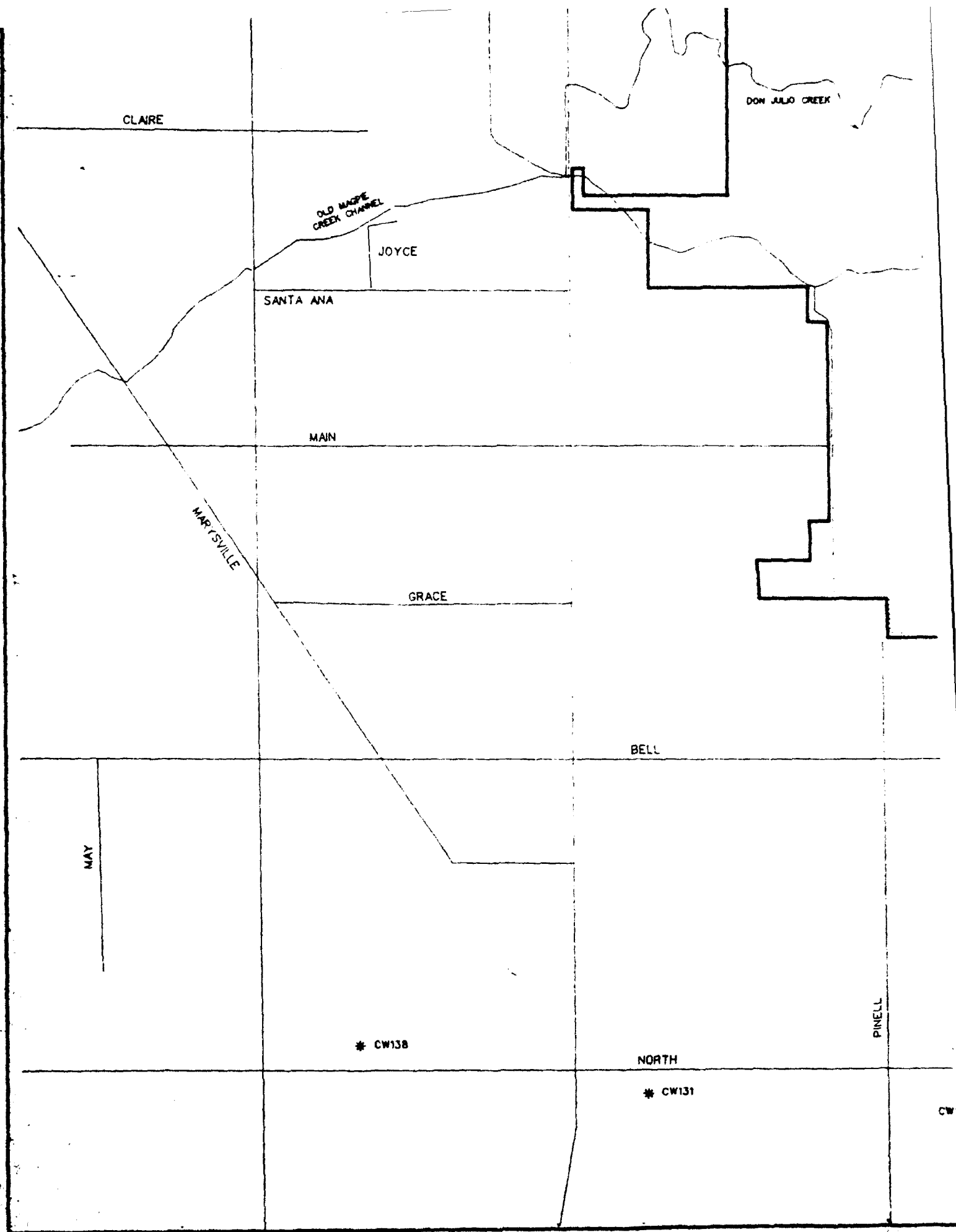
* CW154

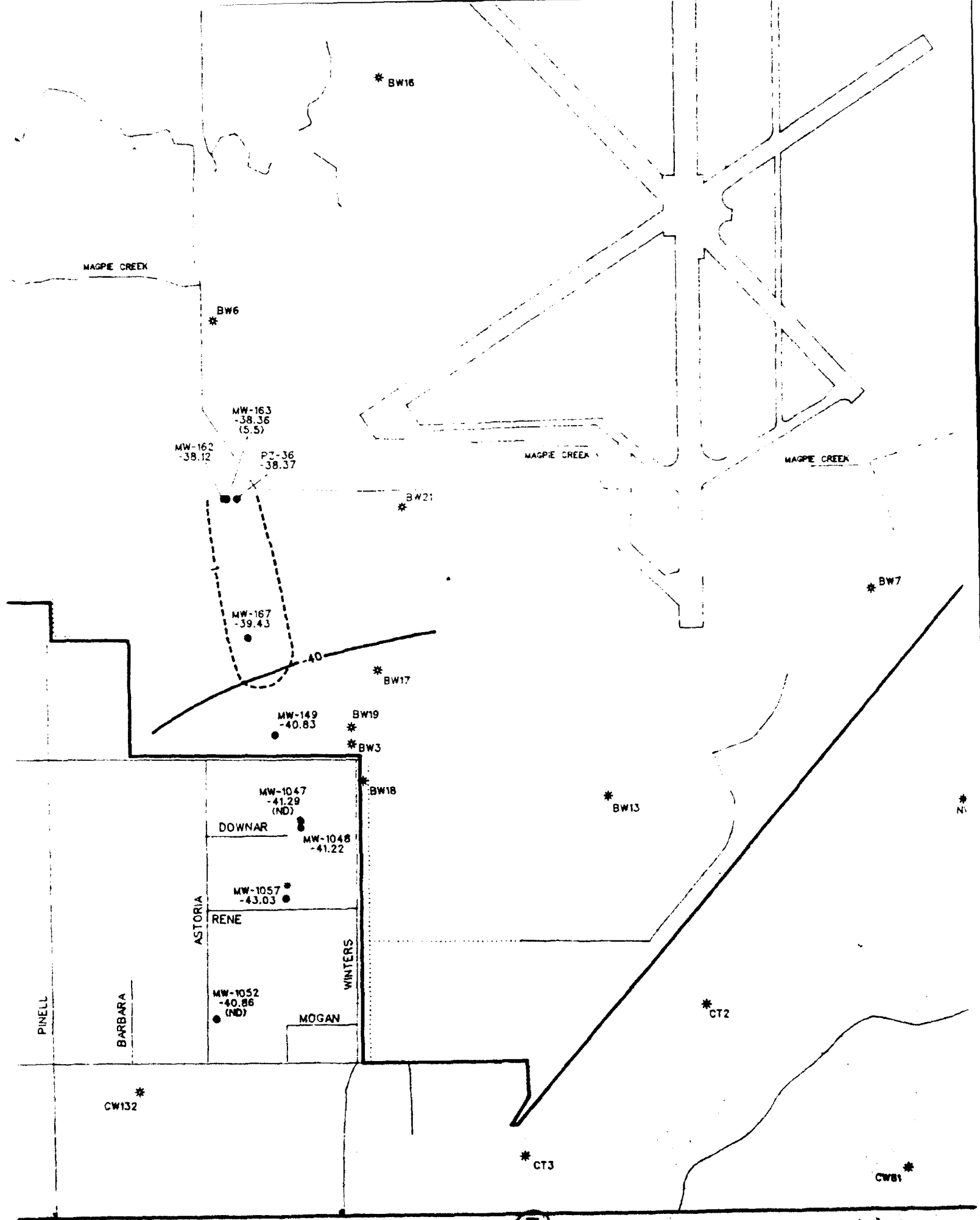
MADPIE CREEK

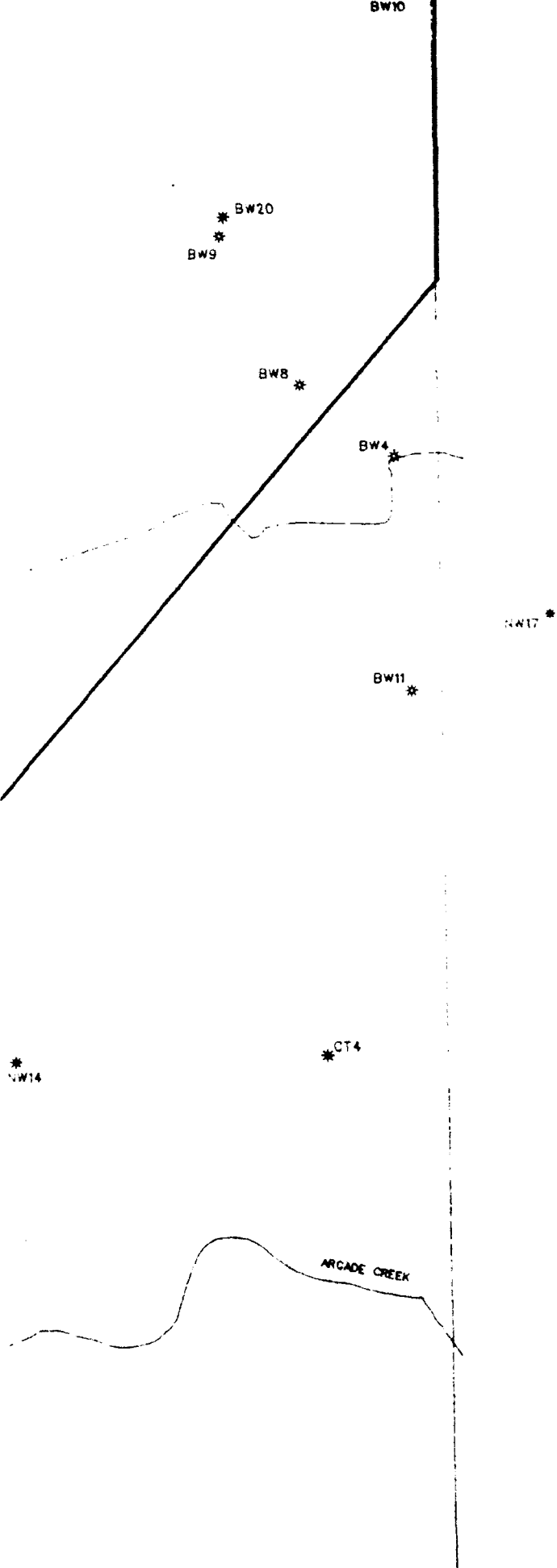
VINCI

DOMALD CREEK









- STREAMS/DRAINAGE (DOTTED WHERE COVERED)
- ◇ EXTRACTION WELLS
- MONITORING WELLS AND PIEZOMETERS
- * WATER SUPPLY WELLS (INACTIVE)
- * WATER SUPPLY WELLS (ACTIVE)
- 42--- WATER LEVEL CONTOURS IN FEET MSL.
- (S.B) TCE CONCENTRATIONS IN $\mu\text{g/L}$ TCE SAMPLES COLLECTED DURING 1993.
- (ND) TCE NOT DETECTED.
- (E) E ZONE WELL. NOT USED TO CALCULATE D ZONE TCE ISOPLETH OR WATER LEVEL CONTOUR.
- ESTIMATED ISOPLETH OF TCE CONCENTRATIONS USING DATA FROM JULY, 1991 THROUGH MARCH 1993. ISOPLETH INTERVAL: $10 \mu\text{g/L}$.
- * NOT USED TO GENERATE WATER LEVEL CONTOUR

NOTE: WATER LEVEL CONTOURS GENERATED BY GPS/PC[®] AND CORRECTED BY HAND. ONLY WELLS WITH WATER LEVELS SHOWN WERE USED FOR CONTOURING.



1000
SCALE IN FEET

LATEST REVISION: VRL	DATE: 4-21-92
GENERATED BY: <i>Mark V. Little</i>	DATE: 4-15-93
PEER REVIEW: <i>James A. Jones</i>	DATE: 4-15-93
PROJECT REVIEW: <i>Walt H. to Will</i>	DATE: 4-15-93

PLATE 5.

WATER LEVEL CONTOURS AND ESTIMATED TRICHLOROETHENE CONCENTRATION ISOPLETHS FOR D ZONE MONITORING AND EXTRACTION WELLS

Water Level Data Collected
January 4, 5, and 6, 1993

TCE Data Collected First Quarter, 1993

McCLELLAN AFB
Groundwater Sampling
& Analysis Program
January-March 1993

RADIAN CORPORATION